



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LDI-4-LED-6040-PL-VHO-30.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]

[TESTLAB]Dekko

[ISSUEDATE]06-19-2017

[TESTDATE]03/07/17

[MANUFAC]LSI INDUSTRIES, INC

[_SEARCH_SOURCE] 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-6040-PL-VHO-30

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4166
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	60
Total Luminaire Watts	69
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	1707	1770	2113
55	1394	1634	2153
65	444	1246	2152
75	170	415	1683
85	316	506	727

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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	523.689	523.689	523.689	523.689	523.689
2.5	535.993	527.534	524.458	519.844	517.537
5.0	535.224	527.534	522.920	519.075	515.999
7.5	533.686	525.227	520.613	515.230	512.923
10.0	529.072	520.613	515.230	510.616	507.540
12.5	523.689	514.461	509.078	505.233	503.695
15.0	516.768	506.771	501.388	500.619	499.850
17.5	508.309	497.543	492.929	496.774	496.774
20.0	499.081	487.546	484.470	491.391	494.467
22.5	488.315	476.011	474.473	486.777	490.622
25.0	477.549	463.707	465.245	479.856	487.546
27.5	464.476	450.634	455.248	473.704	482.932
30.0	449.865	436.792	442.944	465.245	477.549
32.5	434.485	421.412	430.640	456.017	471.397
35.0	418.336	405.263	416.798	445.251	463.707
37.5	399.880	386.807	402.187	433.716	454.479
40.0	380.655	368.351	386.038	419.874	443.713
42.5	359.892	348.357	368.351	404.494	431.409
45.0	336.822	326.825	349.126	387.576	416.798
47.5	313.752	303.755	329.132	369.889	400.649
50.0	286.068	279.916	307.600	349.895	382.962
52.5	257.615	252.232	285.299	329.132	363.737
55.0	223.010	223.010	261.460	306.831	344.512
57.5	183.791	189.943	236.083	284.530	322.211
60.0	136.882	153.031	209.168	260.691	300.679
62.5	87.666	111.505	179.177	235.314	276.071
65.0	52.292	72.286	146.879	209.937	253.770
67.5	33.836	46.140	109.198	183.791	230.700
70.0	23.070	32.298	73.055	152.262	206.861
72.5	16.918	24.608	44.602	111.505	173.794
75.0	12.304	19.225	29.991	69.210	121.502
77.5	9.997	16.918	22.301	37.681	68.441
80.0	9.228	13.842	16.918	23.839	45.371
82.5	9.228	12.304	13.842	17.687	27.684
85.0	7.690	10.766	12.304	13.842	17.687
87.5	6.921	10.766	12.304	12.304	13.073
90.0	6.921	9.228	9.997	13.842	8.459
92.5	28.453	35.374	37.681	29.222	25.377
95.0	62.289	82.283	112.274	211.475	148.417
97.5	98.432	113.043	180.715	190.712	186.867
100.0	143.803	151.493	203.785	237.621	243.773
102.5	189.174	188.405	220.703	239.928	259.922
105.0	231.469	223.010	253.001	269.919	266.074
107.5	274.533	249.156	273.764	296.065	299.910
110.0	322.980	291.451	307.600	318.366	330.670
112.5	362.199	318.366	326.056	339.129	354.509
115.0	405.263	359.123	358.354	367.582	379.886
117.5	451.403	391.421	394.497	398.342	407.570
120.0	488.315	412.953	425.257	426.795	435.254
122.5	513.692	453.710	448.327	453.710	459.862
125.0	557.525	489.084	472.935	476.011	484.470
127.5	599.820	523.689	498.312	497.543	506.771
130.0	632.118	559.832	520.613	521.382	528.303
132.5	659.033	595.975	548.297	545.990	549.835

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CANDELA TABULATION - (Cont.)

135.0	679.796	631.349	572.905	570.598	569.829
137.5	705.173	672.875	592.130	592.130	590.592
140.0	733.626	709.787	612.893	609.048	609.817
142.5	757.465	742.085	632.887	622.890	622.890
145.0	781.304	768.231	655.188	639.039	632.887
147.5	799.760	790.532	685.948	652.881	647.498
150.0	815.909	807.450	723.629	665.954	660.571
152.5	826.675	817.447	758.234	685.948	673.644
155.0	833.596	826.675	790.532	722.091	699.021
157.5	840.517	835.903	816.678	765.155	742.854
160.0	848.207	846.669	833.596	798.991	783.611
162.5	856.666	854.359	841.286	831.289	815.909
165.0	860.511	857.435	847.438	842.055	836.672
167.5	862.049	858.973	852.821	845.131	842.055
170.0	863.587	860.511	855.128	848.207	844.362
172.5	862.818	859.742	853.590	847.438	844.362
175.0	861.280	858.204	851.283	844.362	842.055
177.5	858.973	855.897	849.745	842.824	839.748
180.0	847.438	847.438	847.438	847.438	847.438

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	192.20	N.A.	4.60
0-30	410.28	N.A.	9.80
0-40	677.24	N.A.	16.30
0-60	1193.22	N.A.	28.60
0-80	1392.33	N.A.	33.40
0-90	1407.22	N.A.	33.80
10-90	1357.47	N.A.	32.60
20-40	485.04	N.A.	11.60
20-50	762.35	N.A.	18.30
40-70	662.17	N.A.	15.90
60-80	199.11	N.A.	4.80
70-80	52.92	N.A.	1.30
80-90	14.89	N.A.	0.40
90-110	377.76	N.A.	9.10
90-120	744.15	N.A.	17.90
90-130	1182.15	N.A.	28.40
90-150	2079.34	N.A.	49.90
90-180	2758.59	N.A.	66.20
110-180	2380.83	N.A.	57.20
0-180	4165.82	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	49.75
10-20	142.45
20-30	218.08
30-40	266.96
40-50	277.31
50-60	238.67
60-70	146.20
70-80	52.92
80-90	14.89
90-100	114.39
100-110	263.37
110-120	366.39
120-130	438.00
130-140	463.17
140-150	434.01
150-160	358.67
160-170	239.21
170-180	81.38

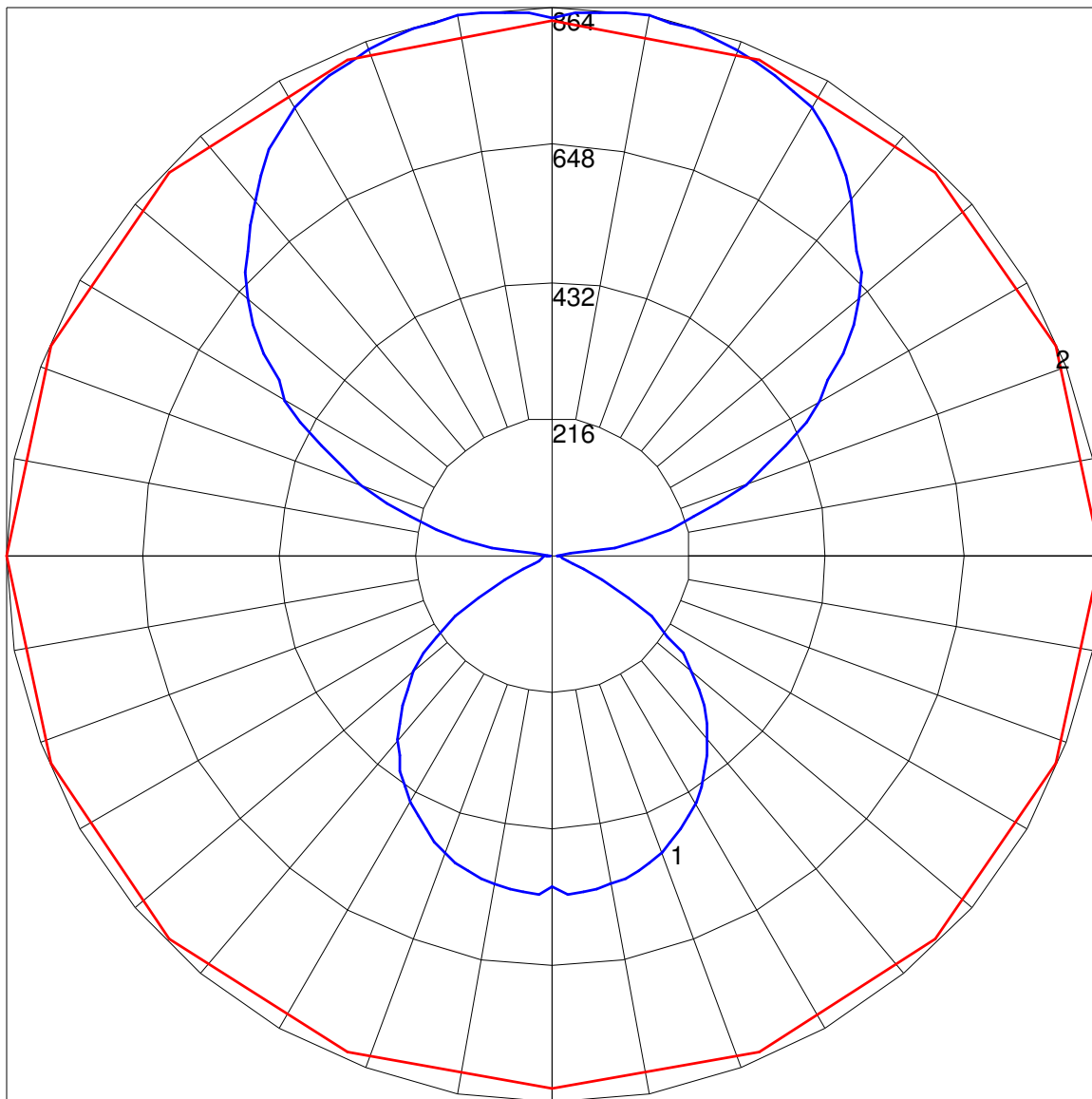
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	103	103	103	103	93	93	93	93	74	74	74	57	57	57	41	41	41	34
1	94	90	87	83	85	82	79	76	65	63	61	51	49	48	37	36	35	29
2	86	79	73	68	77	72	67	62	57	54	51	45	42	40	33	31	30	25
3	79	69	62	57	71	63	57	52	51	46	43	39	37	34	29	27	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	31	28	25	23	21	19	16
6	61	49	41	35	54	44	38	33	36	31	27	28	25	22	21	19	17	14
7	56	44	36	31	50	40	33	29	33	28	24	26	22	19	19	17	15	12
8	52	40	32	27	47	36	30	25	30	25	21	23	20	17	18	15	13	11
9	48	36	29	24	43	33	27	22	27	22	19	21	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 = 863.587 Located At Horizontal Angle = 0, Vertical Angle = 170
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (170) (Through Max. Cd.)