



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LDI-4-LED-PL-VHO-35.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]

[TESTLAB] Dekko

[ISSUEDATE]06-19-2017

[TESTDATE]3/6/17

[MANUFAC]LSI INDUSTRIES, INC

[LUMCAT] LDI-4-LED-PL-VHO-35

[_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	5528
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	80
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	969	1126	1407
55	838	1135	1556
65	289	942	1715
75	143	439	1296
85	424	685	881

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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	230.763	230.763	230.763	230.763	230.763
2.5	236.314	232.349	231.556	229.177	227.591
5.0	237.107	233.142	231.556	229.970	228.384
7.5	237.107	233.142	232.349	230.763	229.970
10.0	237.107	233.142	233.142	232.349	231.556
12.5	237.107	233.142	233.935	234.728	234.728
15.0	236.314	233.142	234.728	237.900	237.900
17.5	235.521	232.349	235.521	241.865	242.658
20.0	235.521	232.349	236.314	245.830	247.416
22.5	234.728	231.556	237.900	249.795	253.760
25.0	233.142	230.763	239.486	254.553	259.311
27.5	230.763	229.177	240.279	257.725	264.862
30.0	228.384	227.591	241.072	260.897	270.413
32.5	224.419	224.419	240.279	263.276	274.378
35.0	220.454	220.454	238.693	264.862	278.343
37.5	215.696	215.696	237.107	264.862	280.722
40.0	208.559	210.145	233.142	263.276	280.722
42.5	199.836	202.215	228.384	260.897	279.929
45.0	191.113	193.492	222.040	256.139	277.550
47.5	180.011	183.976	214.110	250.588	273.585
50.0	167.323	172.874	203.801	242.658	266.448
52.5	152.256	159.393	193.492	232.349	258.518
55.0	134.017	144.326	181.597	222.040	249.002
57.5	112.606	126.087	168.116	208.559	238.693
60.0	86.437	104.676	151.463	195.871	226.798
62.5	57.096	79.300	133.224	181.597	218.868
65.0	34.099	54.717	111.020	166.530	202.215
67.5	22.997	37.271	87.230	144.326	183.183
70.0	16.653	27.755	64.233	118.950	163.358
72.5	12.688	22.997	44.408	91.195	123.708
75.0	10.309	19.825	31.720	65.026	93.574
77.5	8.723	17.446	24.583	44.408	69.784
80.0	8.723	15.860	20.618	26.962	41.236
82.5	11.102	15.067	17.446	20.618	30.134
85.0	10.309	13.481	16.653	18.239	21.411
87.5	9.516	12.688	15.860	17.446	18.239
90.0	8.723	14.274	20.618	17.446	18.239
92.5	42.029	94.367	77.714	54.717	47.580
95.0	70.577	114.985	220.454	168.116	108.641
97.5	107.848	164.151	218.868	249.795	282.308
100.0	151.463	218.075	279.929	295.789	260.897
102.5	206.180	279.136	354.471	344.162	335.439
105.0	266.448	344.955	432.978	451.217	446.459
107.5	329.888	410.774	513.071	565.409	561.444
110.0	396.500	477.386	578.890	651.846	664.534
112.5	465.491	543.205	643.123	714.493	740.662
115.0	532.896	605.852	698.633	773.968	803.309
117.5	602.680	665.327	750.971	818.376	843.752
120.0	665.327	727.974	801.723	863.577	883.402
122.5	731.939	785.863	854.061	906.399	925.431
125.0	789.035	841.373	903.227	951.600	965.874
127.5	846.131	895.297	950.014	992.043	1006.317
130.0	899.262	946.049	989.664	1030.107	1043.588
132.5	950.807	990.457	1023.763	1067.378	1077.687

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CANDELA TABULATION - (Cont.)

135.0	997.594	1033.279	1054.690	1100.684	1109.407
137.5	1043.588	1072.929	1085.617	1128.439	1138.748
140.0	1086.410	1107.821	1118.923	1149.057	1163.331
142.5	1123.681	1136.369	1146.678	1165.710	1177.605
145.0	1156.194	1162.538	1173.640	1183.156	1190.293
147.5	1184.742	1185.535	1202.188	1201.395	1203.774
150.0	1209.325	1206.153	1226.771	1215.669	1217.255
152.5	1229.943	1223.599	1242.631	1233.908	1226.771
155.0	1248.182	1240.252	1250.561	1256.112	1244.217
157.5	1263.249	1255.319	1254.526	1268.800	1266.421
160.0	1273.558	1268.007	1260.077	1267.214	1271.179
162.5	1280.695	1277.523	1266.421	1265.628	1266.421
165.0	1287.039	1283.074	1272.765	1267.214	1265.628
167.5	1291.004	1287.039	1277.523	1269.593	1266.421
170.0	1291.797	1288.625	1281.488	1272.765	1269.593
172.5	1293.383	1288.625	1281.488	1273.558	1269.593
175.0	1293.383	1287.832	1279.109	1271.179	1265.628
177.5	1291.797	1285.453	1276.730	1268.007	1261.663
180.0	1274.351	1274.351	1274.351	1274.351	1274.351

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	89.11	N.A.	1.60
0-30	201.35	N.A.	3.60
0-40	353.68	N.A.	6.40
0-60	691.81	N.A.	12.50
0-80	850.67	N.A.	15.40
0-90	869.41	N.A.	15.70
10-90	847.24	N.A.	15.30
20-40	264.56	N.A.	4.80
20-50	438.83	N.A.	7.90
40-70	449.88	N.A.	8.10
60-80	158.87	N.A.	2.90
70-80	47.12	N.A.	0.90
80-90	18.74	N.A.	0.30
90-110	572.59	N.A.	10.40
90-120	1248.07	N.A.	22.60
90-130	2046.27	N.A.	37.00
90-150	3599.81	N.A.	65.10
90-180	4658.86	N.A.	84.30
110-180	4086.28	N.A.	73.90
0-180	5528.28	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	22.17
10-20	66.94
20-30	112.24
30-40	152.33
40-50	174.27
50-60	163.86
60-70	111.75
70-80	47.12
80-90	18.74
90-100	151.44
100-110	421.15
110-120	675.48
120-130	798.20
130-140	818.22
140-150	735.32
150-160	575.82
160-170	361.05
170-180	122.18

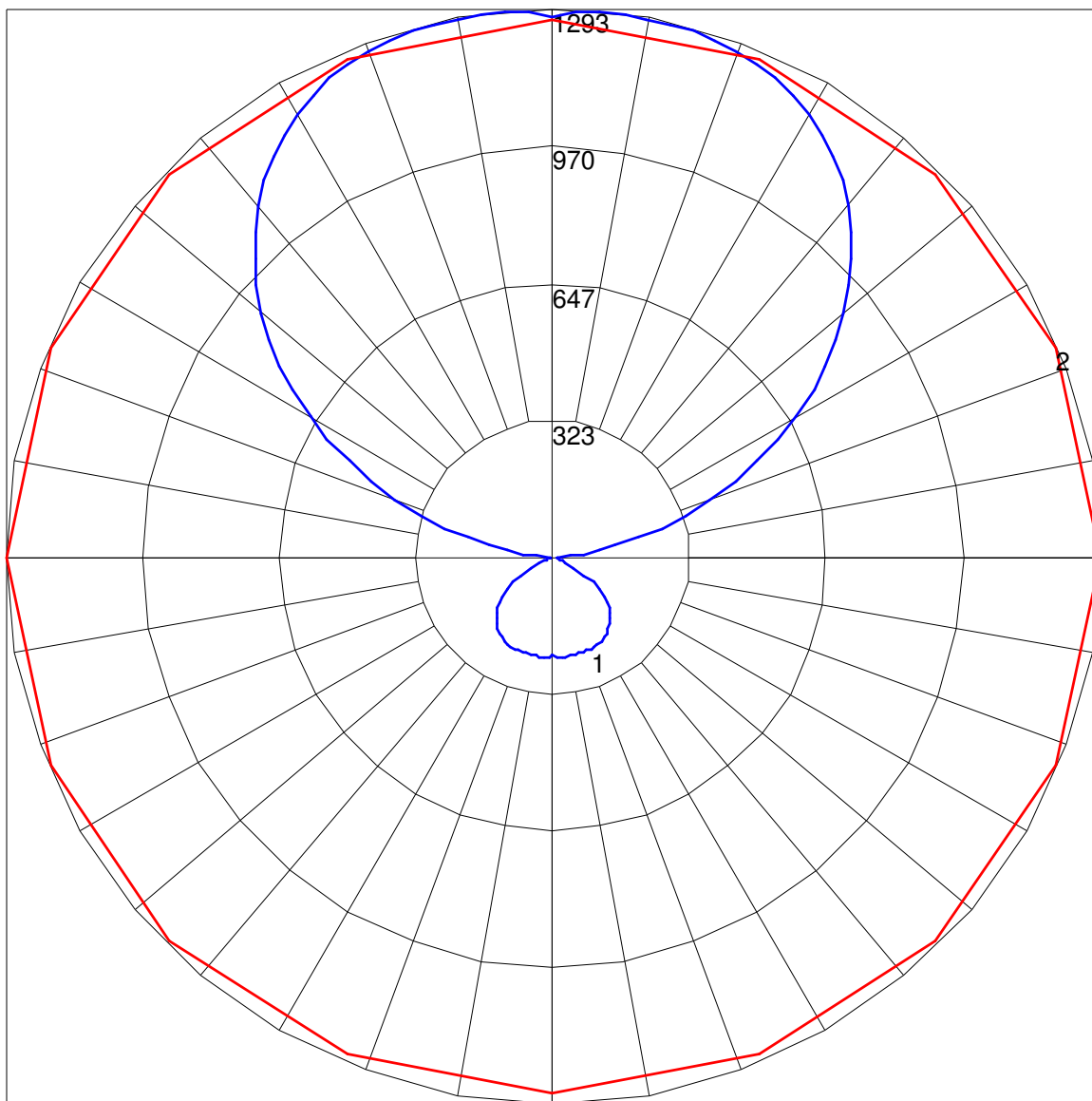
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	99	99	99	99	87	87	87	87	64	64	64	44	44	44	25	25	25	16
1	90	86	82	79	79	76	73	70	56	54	52	38	37	36	22	21	21	13
2	82	75	69	64	72	66	61	57	49	46	43	33	31	30	19	18	17	11
3	75	66	59	53	65	58	52	47	43	39	36	29	27	25	17	15	14	9
4	68	58	50	45	59	51	45	40	38	34	30	26	23	21	15	13	12	8
5	62	51	43	38	54	45	39	34	34	29	26	23	20	18	13	12	11	7
6	57	46	38	32	50	40	34	29	30	26	22	21	18	16	12	10	9	6
7	52	41	33	28	46	36	30	25	27	23	19	19	16	14	11	9	8	5
8	48	37	29	24	42	33	26	22	24	20	17	17	14	12	10	8	7	4
9	45	33	26	21	39	30	23	19	22	18	15	15	13	11	9	7	6	4
10	42	30	24	19	37	27	21	17	20	16	13	14	11	9	8	7	6	3

POLAR GRAPH



Maximum Candela = 1293.383 Located At Horizontal Angle = 0, Vertical Angle = 172.5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (172.5) (Through Max. Cd.)