



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LDI-4-LED-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-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	4635
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	93
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	728	832	1037
55	627	821	1131
65	215	652	1162
75	104	273	792
85	309	540	617

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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	174.468	174.468	174.468	174.468	174.468
2.5	178.220	176.344	174.468	173.530	171.654
5.0	179.158	176.344	175.406	173.530	172.592
7.5	179.158	177.282	175.406	173.530	172.592
10.0	179.158	176.344	175.406	173.530	172.592
12.5	179.158	176.344	175.406	175.406	175.406
15.0	178.220	176.344	175.406	178.220	178.220
17.5	178.220	175.406	176.344	181.034	181.972
20.0	178.220	174.468	177.282	183.848	185.724
22.5	177.282	174.468	178.220	187.600	189.476
25.0	175.406	172.592	179.158	189.476	193.228
27.5	174.468	171.654	180.096	192.290	197.918
30.0	172.592	169.778	180.096	194.166	201.670
32.5	169.778	167.902	180.096	196.042	205.422
35.0	166.026	165.088	179.158	196.980	207.298
37.5	162.274	161.336	176.344	196.980	209.174
40.0	156.646	155.708	173.530	196.042	209.174
42.5	150.080	151.018	169.778	193.228	207.298
45.0	143.514	143.514	164.150	188.538	204.484
47.5	135.072	136.010	157.584	182.910	199.794
50.0	126.630	128.506	150.080	176.344	195.104
52.5	114.436	118.188	140.700	167.902	188.538
55.0	100.366	105.994	131.320	159.460	181.034
57.5	82.544	91.924	121.002	149.142	171.654
60.0	61.908	75.040	107.870	138.824	161.336
62.5	40.334	56.280	93.800	126.630	149.142
65.0	25.326	38.458	76.916	113.498	136.948
67.5	16.884	26.264	58.156	98.490	124.754
70.0	12.194	20.636	39.396	80.668	112.560
72.5	9.380	16.884	26.264	60.032	95.676
75.0	7.504	14.070	19.698	36.582	57.218
77.5	6.566	13.132	15.946	21.574	35.644
80.0	7.504	12.194	14.070	16.884	24.388
82.5	7.504	11.256	13.132	15.008	17.822
85.0	7.504	10.318	13.132	14.070	15.008
87.5	6.566	11.256	14.070	15.946	15.946
90.0	5.628	13.132	19.698	16.884	16.884
92.5	20.636	66.598	67.536	50.652	53.466
95.0	43.148	113.498	150.080	218.554	190.414
97.5	70.350	161.336	234.500	243.880	224.182
100.0	102.242	219.492	339.556	368.634	364.882
102.5	136.948	288.904	436.170	534.660	522.466
105.0	177.282	362.068	531.846	644.406	672.546
107.5	219.492	426.790	620.018	745.710	796.362
110.0	263.578	476.504	684.740	801.052	843.262
112.5	306.726	517.776	737.268	847.952	889.224
115.0	350.812	548.730	773.850	893.914	930.496
117.5	393.960	578.746	800.114	933.310	971.768
120.0	437.108	605.010	822.626	955.822	1002.722
122.5	478.380	624.708	842.324	971.768	1016.792
125.0	519.652	643.468	857.332	982.086	1026.172
127.5	556.234	662.228	868.588	989.590	1029.924
130.0	594.692	679.112	876.092	993.342	1033.676
132.5	628.460	695.058	879.844	991.466	1030.862

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CANDELA TABULATION - (Cont.)

135.0	659.414	711.004	878.906	986.776	1024.296
137.5	689.430	726.950	876.092	982.086	1015.854
140.0	714.756	741.958	869.526	972.706	1005.536
142.5	737.268	756.966	862.022	958.636	991.466
145.0	759.780	772.912	853.580	942.690	973.644
147.5	779.478	787.920	844.200	922.054	952.070
150.0	796.362	801.052	837.634	901.418	929.558
152.5	810.432	813.246	832.944	880.782	904.232
155.0	823.564	823.564	832.006	862.960	880.782
157.5	832.006	832.006	832.944	849.828	861.084
160.0	840.448	839.510	836.696	842.324	847.952
162.5	846.076	845.138	840.448	839.510	841.386
165.0	850.766	848.890	843.262	841.386	840.448
167.5	851.704	849.828	844.200	841.386	838.572
170.0	853.580	850.766	845.138	840.448	838.572
172.5	852.642	850.766	845.138	839.510	837.634
175.0	852.642	849.828	844.200	839.510	835.758
177.5	851.704	847.952	842.324	837.634	834.820
180.0	841.386	841.386	841.386	841.386	841.386

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	67.02	N.A.	1.40
0-30	151.07	N.A.	3.30
0-40	264.84	N.A.	5.70
0-60	512.79	N.A.	11.10
0-80	620.53	N.A.	13.40
0-90	635.08	N.A.	13.70
10-90	618.35	N.A.	13.30
20-40	197.83	N.A.	4.30
20-50	326.76	N.A.	7.00
40-70	325.34	N.A.	7.00
60-80	107.74	N.A.	2.30
70-80	30.35	N.A.	0.70
80-90	14.55	N.A.	0.30
90-110	658.18	N.A.	14.20
90-120	1362.18	N.A.	29.40
90-130	2089.94	N.A.	45.10
90-150	3289.58	N.A.	71.00
90-180	3999.99	N.A.	86.30
110-180	3341.81	N.A.	72.10
0-180	4635.07	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	16.73
10-20	50.28
20-30	84.05
30-40	113.78
40-50	128.93
50-60	119.02
60-70	77.39
70-80	30.35
80-90	14.55
90-100	150.94
100-110	507.24
110-120	704.00
120-130	727.76
130-140	660.77
140-150	538.87
150-160	390.66
160-170	239.12
170-180	80.63

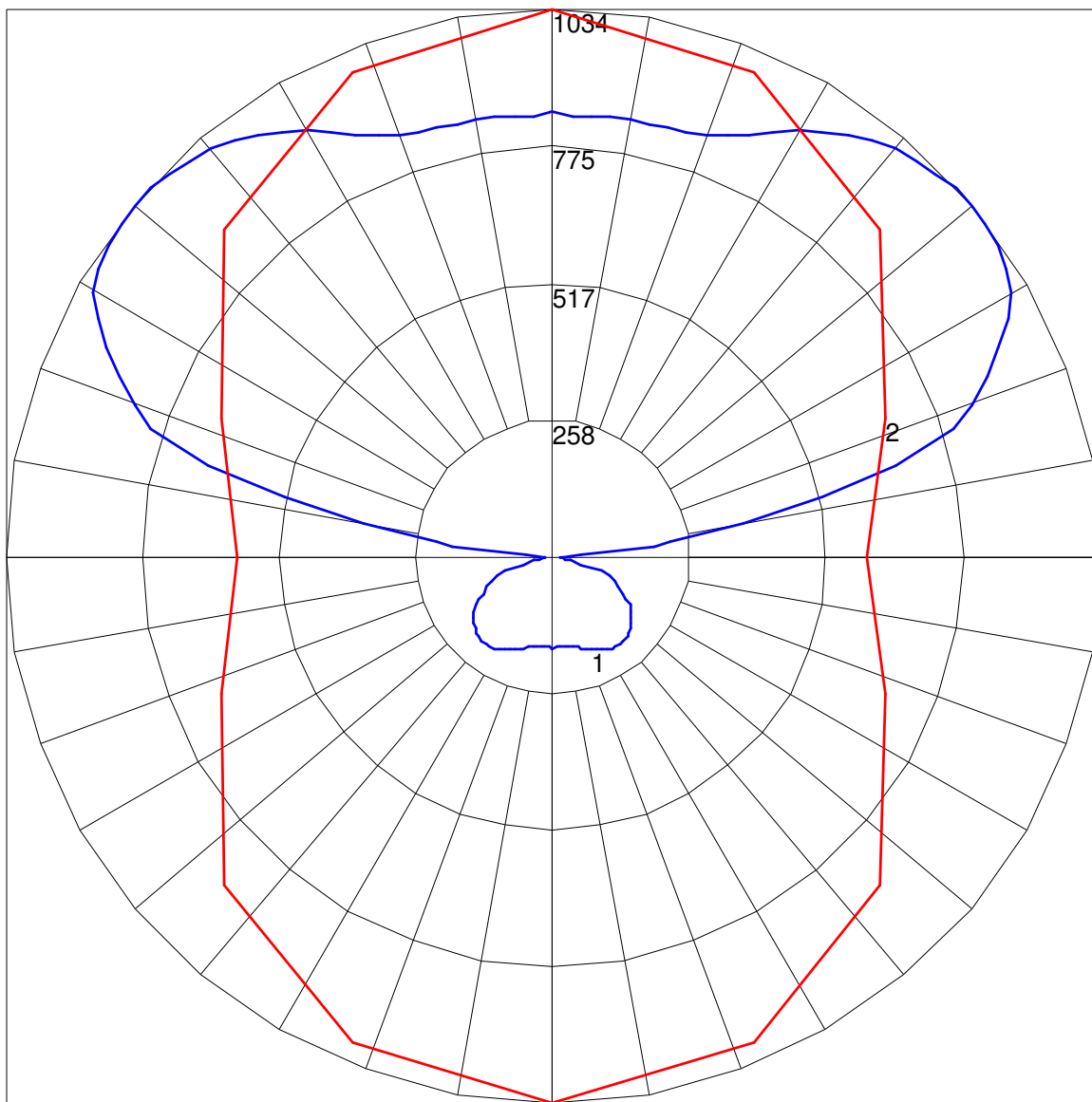
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	86	86	86	86	63	63	63	42	42	42	23	23	23	14
1	90	86	82	79	78	75	72	69	55	53	51	37	36	35	20	20	19	11
2	82	75	69	64	71	65	61	57	48	45	42	32	30	29	18	17	16	10
3	74	65	58	53	65	57	52	47	42	39	35	28	26	24	15	14	13	8
4	68	58	50	44	59	51	44	40	37	33	30	25	23	21	14	12	11	7
5	62	51	43	38	54	45	38	34	33	29	26	22	20	18	12	11	10	6
6	57	45	38	32	49	40	34	29	30	25	22	20	17	15	11	10	9	5
7	52	41	33	28	46	36	29	25	27	22	19	18	15	13	10	9	7	4
8	48	37	29	24	42	32	26	22	24	20	17	16	14	12	9	8	7	4
9	45	33	26	21	39	29	23	19	22	18	15	15	12	10	8	7	6	3
10	42	30	23	19	36	27	21	17	20	16	13	14	11	9	8	6	5	3

POLAR GRAPH



Maximum Candela = 1033.676 Located At Horizontal Angle = 90, Vertical Angle = 130
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (130) (Through Max. Cd.)