



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LDI-4-LED-6040-PL-SS-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-SS-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	3041
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	79
Total Luminaire Watts	38.4
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	1263	1322	1554
55	1035	1258	1591
65	341	1057	1976
75	129	300	1351
85	223	350	446

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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	383.904	383.904	383.904	383.904	383.904
2.5	392.418	387.000	383.904	380.808	379.260
5.0	392.418	387.000	383.904	380.808	378.486
7.5	390.870	385.452	382.356	377.712	375.390
10.0	387.774	383.130	377.712	374.616	371.520
12.5	384.678	378.486	373.842	370.746	369.198
15.0	379.260	373.068	368.424	368.424	366.876
17.5	373.842	366.102	363.006	365.328	365.328
20.0	366.876	359.136	356.814	361.458	363.006
22.5	359.136	350.622	350.622	357.588	360.684
25.0	351.396	342.882	343.656	353.718	358.362
27.5	342.108	333.594	336.690	348.300	355.266
30.0	332.046	323.532	328.176	342.882	351.396
32.5	320.436	312.696	318.888	335.916	345.978
35.0	308.826	301.086	308.826	328.176	341.334
37.5	295.668	287.928	298.764	319.662	334.368
40.0	280.962	273.996	286.380	309.600	325.854
42.5	266.256	260.064	273.996	298.764	317.340
45.0	249.228	243.810	260.838	287.154	306.504
47.5	232.200	226.782	246.132	273.996	294.894
50.0	212.850	208.980	231.426	260.064	282.510
52.5	190.404	190.404	216.720	245.358	269.352
55.0	165.636	169.506	201.240	231.426	254.646
57.5	136.224	146.286	186.534	217.494	239.166
60.0	101.394	119.196	170.280	203.562	228.330
62.5	65.790	88.236	150.156	193.500	233.748
65.0	40.248	55.728	124.614	191.952	232.974
67.5	25.542	34.830	91.332	177.246	222.138
70.0	17.802	23.994	56.502	149.382	214.398
72.5	13.158	17.802	32.508	104.490	196.596
75.0	9.288	13.932	21.672	57.276	97.524
77.5	7.740	11.610	15.480	26.316	53.406
80.0	6.966	9.288	12.384	17.028	29.412
82.5	6.192	8.514	9.288	12.384	17.802
85.0	5.418	7.740	8.514	9.288	10.836
87.5	4.644	6.966	7.740	8.514	8.514
90.0	3.870	7.740	12.384	10.062	10.062
92.5	15.480	39.474	44.892	28.638	27.090
95.0	28.638	63.468	86.688	85.914	86.688
97.5	45.666	89.784	123.066	113.778	104.490
100.0	65.790	116.100	166.410	167.958	158.670
102.5	89.010	150.156	209.754	232.200	229.104
105.0	115.326	187.308	253.872	293.346	284.832
107.5	140.868	219.816	298.764	338.238	351.396
110.0	164.862	246.906	332.820	372.294	372.294
112.5	186.534	269.352	356.814	400.158	397.062
115.0	208.980	287.154	376.164	421.056	418.734
117.5	229.878	301.860	390.870	438.858	438.858
120.0	250.776	315.792	402.480	449.694	453.564
122.5	270.900	328.176	413.316	455.886	462.852
125.0	291.024	337.464	422.604	462.078	469.044
127.5	308.052	345.978	428.796	468.270	474.462
130.0	324.306	356.814	432.666	472.914	479.880
132.5	339.012	365.328	434.988	474.462	481.428

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CANDELA TABULATION - (Cont.)

135.0	352.944	371.520	435.762	473.688	481.428
137.5	364.554	377.712	434.988	472.140	479.106
140.0	375.390	384.678	433.440	469.044	476.010
142.5	387.000	392.418	429.570	465.174	472.140
145.0	396.288	399.384	426.474	458.208	466.722
147.5	404.802	404.802	423.378	452.016	459.756
150.0	410.220	408.672	420.282	444.276	451.242
152.5	414.090	413.316	418.734	436.536	441.954
155.0	417.960	417.186	417.960	428.796	431.892
157.5	422.604	420.282	419.508	424.152	425.700
160.0	425.700	423.378	421.056	421.056	420.282
162.5	428.022	425.700	421.830	419.508	417.186
165.0	430.344	427.248	423.378	419.508	416.412
167.5	431.118	428.022	423.378	418.734	415.638
170.0	430.344	427.248	422.604	417.960	414.864
172.5	427.248	424.926	421.056	416.412	414.864
175.0	424.152	421.830	418.734	415.638	413.316
177.5	422.604	420.282	417.186	414.864	412.542
180.0	416.412	416.412	416.412	416.412	416.412

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	141.21	N.A.	4.60
0-30	302.01	N.A.	9.90
0-40	499.40	N.A.	16.40
0-60	886.08	N.A.	29.10
0-80	1056.3	N.A.	34.70
0-90	1066.7	N.A.	35.10
10-90	1030.21	N.A.	33.90
20-40	358.19	N.A.	11.80
20-50	564.05	N.A.	18.50
40-70	511.49	N.A.	16.80
60-80	170.22	N.A.	5.60
70-80	45.41	N.A.	1.50
80-90	10.40	N.A.	0.30
90-110	319.55	N.A.	10.50
90-120	663.56	N.A.	21.80
90-130	1021.73	N.A.	33.60
90-150	1618.81	N.A.	53.20
90-180	1974.67	N.A.	64.90
110-180	1655.12	N.A.	54.40
0-180	3041.37	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	36.49
10-20	104.72
20-30	160.79
30-40	197.39
40-50	205.87
50-60	180.81
60-70	124.81
70-80	45.41
80-90	10.40
90-100	76.86
100-110	242.69
110-120	344.01
120-130	358.17
130-140	327.98
140-150	269.10
150-160	195.90
160-170	119.86
170-180	40.11

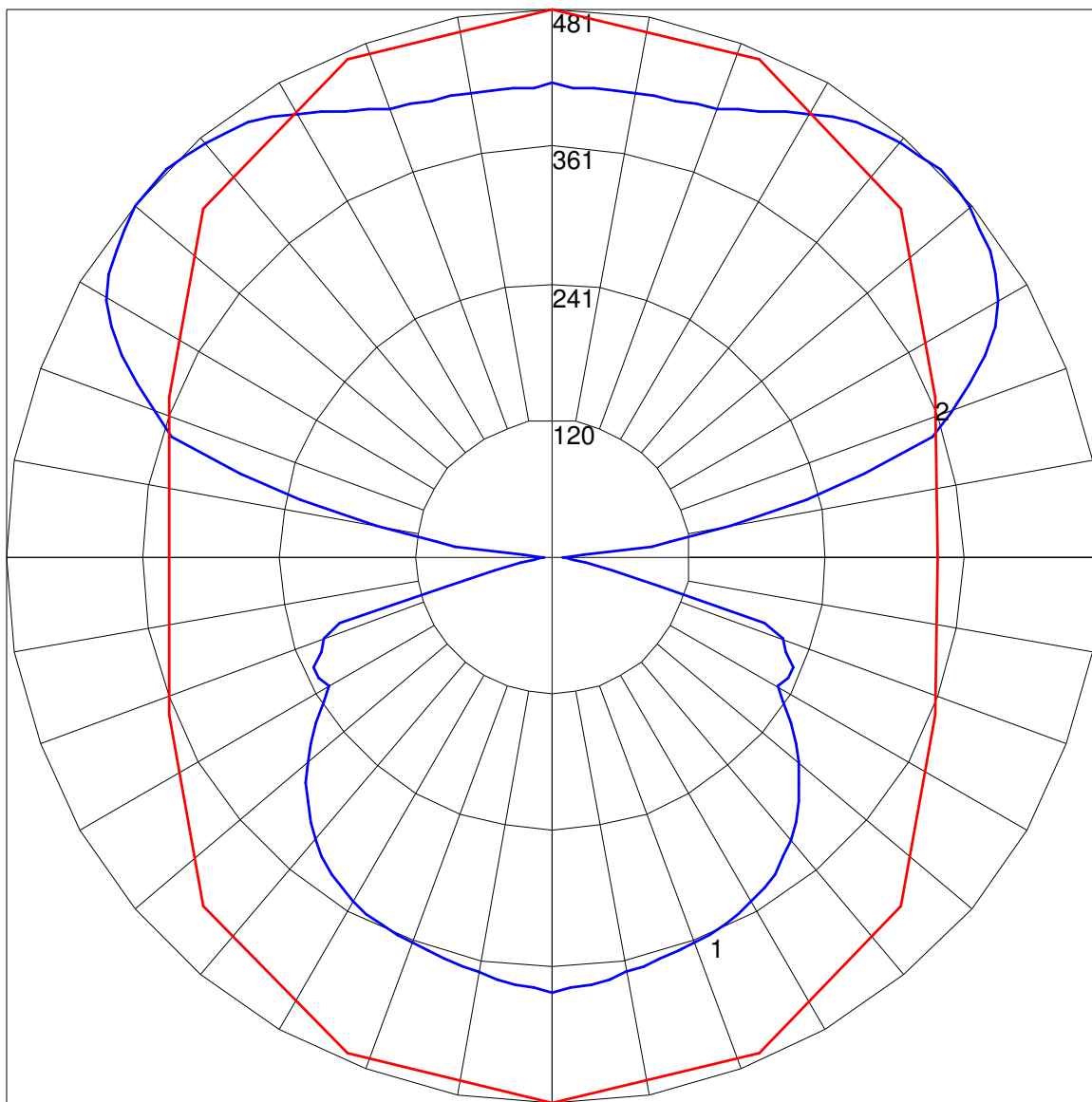
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 481.428 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.)