



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : LPASC24-LED-30L-40.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST]LED-8781  
[TESTLAB]LSI INDUSTRIES, INC  
[ISSUE DATE]04/18/17  
[TEST DATE]04/18/17  
[MANUFACTURER]LSI INDUSTRIES, INC  
[LUMEN CATEGORY]LPASC24-LED-30L-40  
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.  
[OTHER]TEST PROCEDURE: IESNA LM-79-08  
[SEARCH SOURCE TYPE] LED  
[SEARCH APPLICATION] Indoor

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3044
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	124
Total Luminaire Watts	24.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.40
Spacing Criterion (Diagonal)	1.46
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	1.98 ft
Luminous Height	0.00 ft

### LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1131	1291	1422
55	1040	1295	1499
65	964	1337	1630
75	871	1533	2005
85	795	1948	1870

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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>
<b>0.0</b>	915	915	915	915	915
<b>2.5</b>	937	923	916	907	900
<b>5.0</b>	937	923	916	908	901
<b>7.5</b>	933	920	914	908	901
<b>10.0</b>	928	916	911	907	901
<b>12.5</b>	920	909	907	904	899
<b>15.0</b>	910	899	899	900	896
<b>17.5</b>	896	887	891	895	892
<b>20.0</b>	879	873	881	888	887
<b>22.5</b>	860	857	869	880	881
<b>25.0</b>	839	839	855	871	872
<b>27.5</b>	814	817	838	858	863
<b>30.0</b>	788	794	820	846	851
<b>32.5</b>	758	767	800	830	837
<b>35.0</b>	726	739	778	813	821
<b>37.5</b>	694	709	752	794	804
<b>40.0</b>	660	678	728	773	785
<b>42.5</b>	625	645	700	751	763
<b>45.0</b>	589	610	672	726	740
<b>47.5</b>	550	576	642	701	716
<b>50.0</b>	512	541	610	674	691
<b>52.5</b>	475	505	579	644	662
<b>55.0</b>	439	470	547	614	633
<b>57.5</b>	403	436	515	584	602
<b>60.0</b>	369	401	482	553	571
<b>62.5</b>	334	367	449	520	539
<b>65.0</b>	300	333	416	488	507
<b>67.5</b>	263	297	385	457	475
<b>70.0</b>	230	266	352	425	443
<b>72.5</b>	198	235	321	393	412
<b>75.0</b>	166	205	292	363	382
<b>77.5</b>	136	177	262	334	349
<b>80.0</b>	107	150	234	282	284
<b>82.5</b>	79	122	191	207	198
<b>85.0</b>	51	93	125	123	120
<b>87.5</b>	25	51	56	60	60
<b>90.0</b>	0	0	0	0	0

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	341.72	N.A.	11.20
0-30	735.78	N.A.	24.20
0-40	1221.18	N.A.	40.10
0-60	2221.68	N.A.	73.00
0-80	2926.69	N.A.	96.10
0-90	3044.05	N.A.	100.00
10-90	2956.73	N.A.	97.10
20-40	879.47	N.A.	28.90
20-50	1395.08	N.A.	45.80
40-70	1406.87	N.A.	46.20
60-80	705.01	N.A.	23.20
70-80	298.64	N.A.	9.80
80-90	117.36	N.A.	3.90
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	3044.05	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	87.32
10-20	254.39
20-30	394.07
30-40	485.40
40-50	515.61
50-60	484.88
60-70	406.37
70-80	298.64
80-90	117.36
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

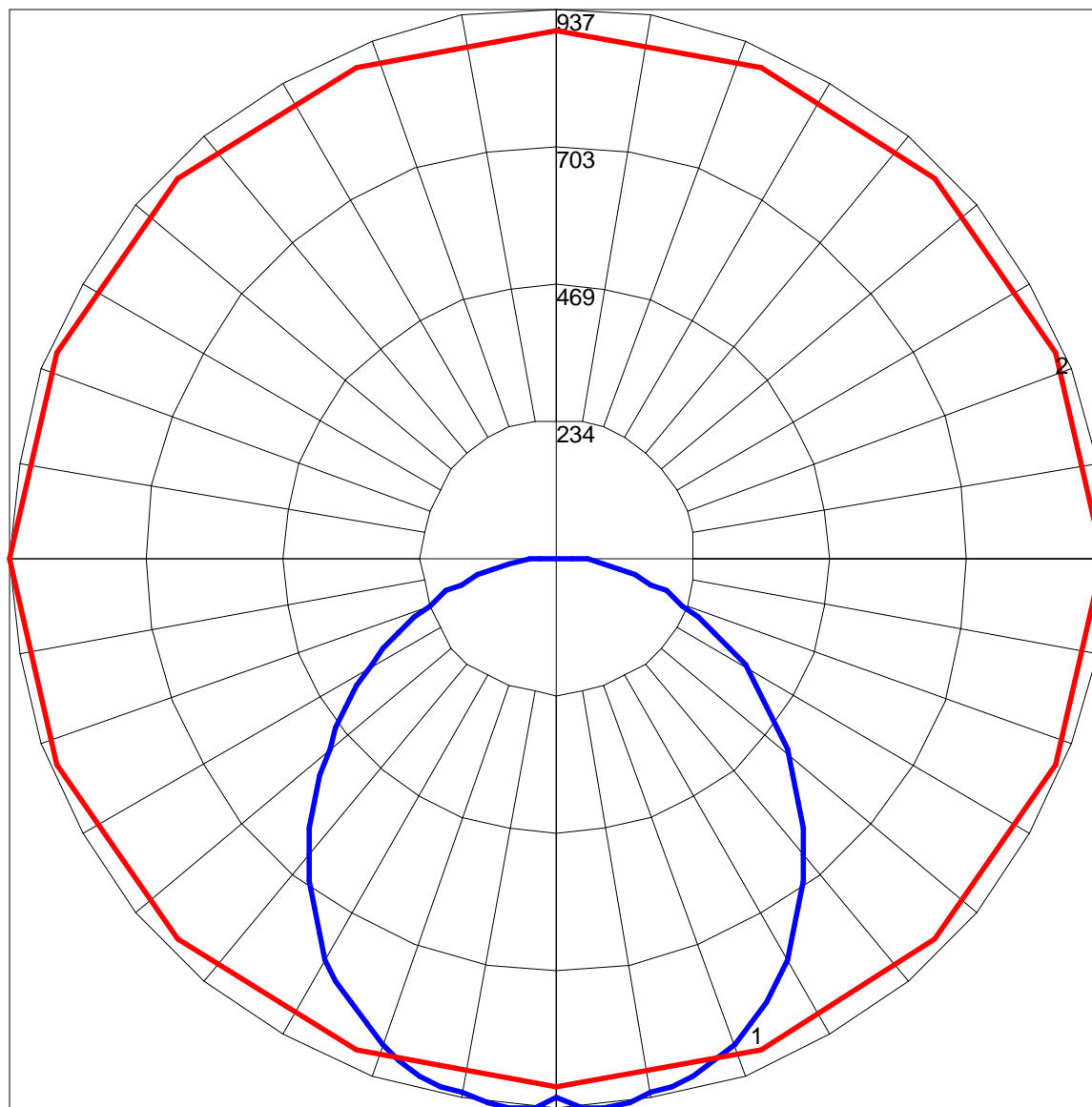
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	107	102	97	93	104	100	95	91	95	92	88	91	88	86	88	85	83	81
2	97	88	80	74	94	86	79	73	82	76	71	79	74	70	76	72	68	66
3	88	76	68	61	85	75	67	60	72	65	59	69	63	58	66	61	57	55
4	80	67	58	51	78	66	57	50	63	56	50	61	54	49	59	53	48	46
5	73	60	50	43	71	59	50	43	57	49	43	55	48	42	53	47	42	40
6	68	54	44	38	66	53	44	38	51	43	37	49	42	37	48	41	36	34
7	63	49	40	33	61	48	39	33	46	38	33	45	38	32	43	37	32	30
8	58	44	36	29	57	44	35	29	42	35	29	41	34	29	40	33	29	27
9	54	41	32	26	53	40	32	26	39	31	26	38	31	26	37	30	26	24
10	51	37	29	24	50	37	29	24	36	29	24	35	28	24	34	28	23	22

POLAR GRAPH



Maximum Candela = 937 Located At Horizontal Angle = 0, Vertical Angle = 2.5  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)