



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LPASC24-LED-35L-40.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST]LED-8783  
[TESTLAB]LSI INDUSTRIES, INC  
[ISSUE DATE]04/18/17  
[TEST DATE]04/18/17  
[MANUFACTURER]LSI INDUSTRIES, INC  
[LUMEN CATEGORY]LPASC24-LED-35L-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	3538
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	122
Total Luminaire Watts	28.9
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	1302	1496	1660
55	1208	1511	1757
65	1102	1562	1919
75	1018	1800	2346
85	920	2322	2229

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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	1057	1057	1057	1057	1057
2.5	1083	1067	1058	1049	1041
5.0	1081	1065	1057	1048	1040
7.5	1079	1063	1056	1049	1042
10.0	1071	1056	1052	1047	1040
12.5	1062	1049	1047	1045	1039
15.0	1050	1039	1040	1042	1037
17.5	1035	1025	1030	1035	1032
20.0	1016	1010	1018	1027	1027
22.5	994	990	1004	1017	1018
25.0	969	969	987	1006	1009
27.5	941	945	968	993	997
30.0	910	918	949	979	986
32.5	878	888	926	963	971
35.0	841	855	898	943	954
37.5	801	819	872	922	934
40.0	760	782	842	899	913
42.5	719	745	811	873	890
45.0	678	706	779	845	864
47.5	636	668	745	816	835
50.0	593	627	710	783	806
52.5	551	587	674	753	774
55.0	510	547	638	719	742
57.5	469	505	600	684	707
60.0	427	462	562	646	671
62.5	384	425	525	612	635
65.0	343	385	486	573	597
67.5	306	347	450	536	559
70.0	266	309	412	496	518
72.5	230	275	379	461	482
75.0	194	241	343	426	447
77.5	158	204	308	389	407
80.0	123	173	274	332	336
82.5	89	142	224	249	238
85.0	59	111	149	144	143
87.5	29	62	66	68	70
90.0	0	0	0	0	0

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	394.87	N.A.	11.20
0-30	850.36	N.A.	24.00
0-40	1412.52	N.A.	39.90
0-60	2575.94	N.A.	72.80
0-80	3399.95	N.A.	96.10
0-90	3538.27	N.A.	100.00
10-90	3437.42	N.A.	97.10
20-40	1017.66	N.A.	28.80
20-50	1615.87	N.A.	45.70
40-70	1637.98	N.A.	46.30
60-80	824.01	N.A.	23.30
70-80	349.45	N.A.	9.90
80-90	138.31	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	3538.27	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	100.85
10-20	294.02
20-30	455.49
30-40	562.17
40-50	598.21
50-60	565.20
60-70	474.56
70-80	349.45
80-90	138.31
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

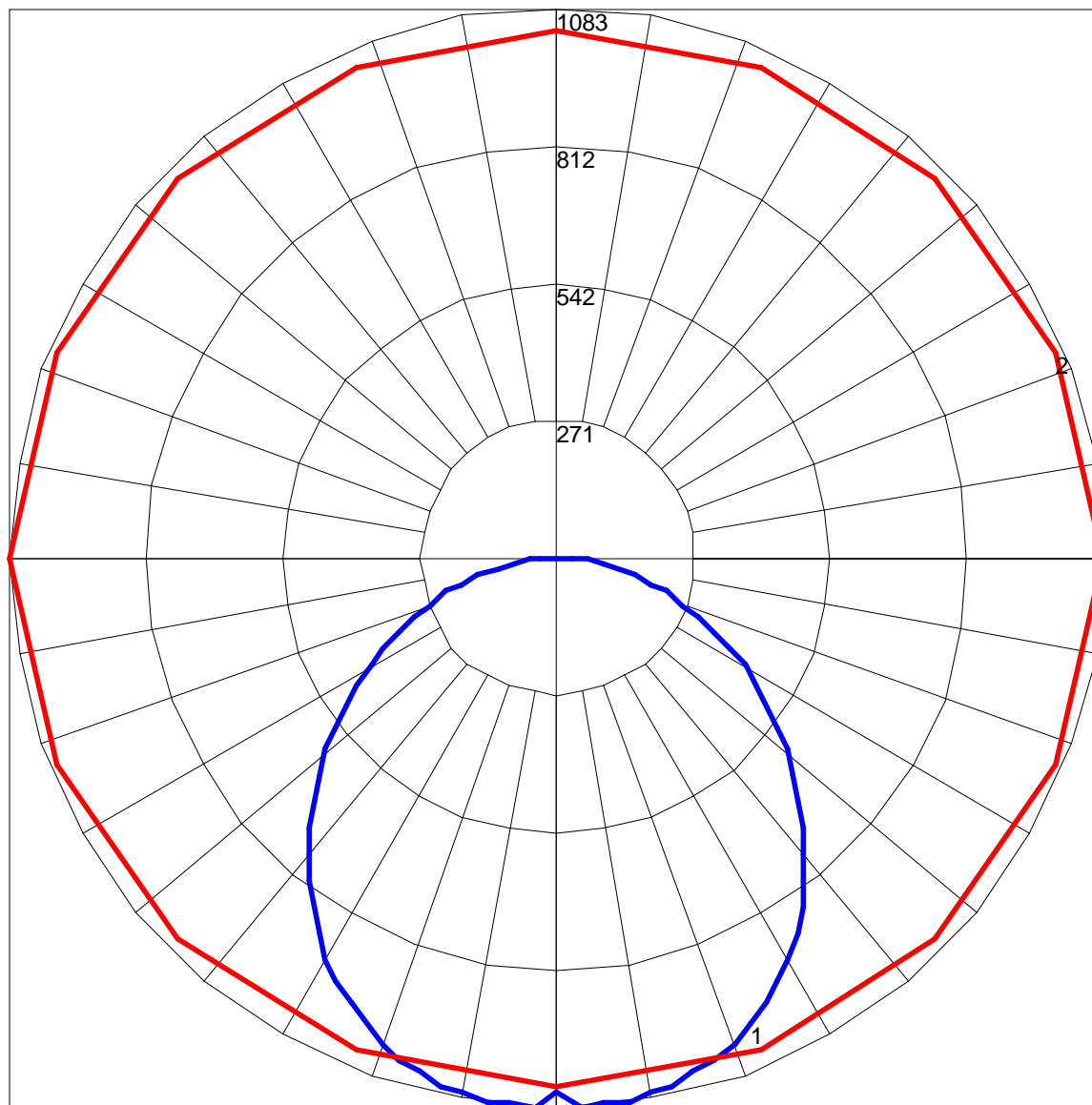
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	85	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	54
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	56	49	43	54	48	42	53	46	42	39
6	68	54	44	38	66	53	44	37	51	43	37	49	42	37	48	41	36	34
7	63	49	39	33	61	48	39	33	46	38	33	45	38	32	43	37	32	30
8	58	44	35	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	23	34	28	23	22

POLAR GRAPH



Maximum Candela = 1083 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.)