



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LPASC14-LED-35L-35.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-8850_scaled
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]07/11/17
[TEST DATE]04/28/17
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]LPASC14-LED-35L-35
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[OTHER]SCALED FROM ORIGINAL TEST DATA
[SEARCH SOURCE TYPE] LED
[SEARCH APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3411
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	121
Total Luminaire Watts	28.2
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.38
Spacing Criterion (Diagonal)	1.44
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	1.00 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2648	2963	3220
55	2456	2947	3343
65	2280	3000	3441
75	2089	2985	2897
85	1929	2711	3024

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPASC14-LED-35L-35.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	1076.708	1076.708	1076.708	1076.708	1076.708
2.5	1103.753	1086.850	1078.399	1068.257	1063.186
5.0	1100.372	1085.160	1078.399	1068.257	1059.806
7.5	1095.301	1081.779	1075.018	1066.567	1061.496
10.0	1095.301	1078.399	1073.328	1066.567	1059.806
12.5	1083.469	1068.257	1066.567	1061.496	1056.425
15.0	1071.637	1058.115	1059.806	1059.806	1053.044
17.5	1058.115	1046.283	1047.974	1051.354	1047.974
20.0	1036.142	1027.690	1032.761	1039.522	1037.832
22.5	1014.168	1009.097	1017.549	1029.380	1027.690
25.0	992.194	987.123	1002.336	1015.858	1015.858
27.5	961.769	961.769	982.053	1000.646	1004.026
30.0	929.654	936.415	960.079	983.743	988.814
32.5	894.158	902.609	934.725	963.460	968.530
35.0	860.352	872.184	909.371	944.866	951.628
37.5	819.786	834.998	878.946	919.512	927.964
40.0	782.600	799.502	850.211	894.158	904.300
42.5	736.962	757.245	814.715	862.043	875.565
45.0	696.395	716.679	779.219	833.308	846.830
47.5	652.448	679.493	745.413	804.573	819.786
50.0	608.501	637.236	706.537	769.077	782.600
52.5	566.244	596.669	671.041	731.891	750.484
55.0	523.987	554.412	628.784	694.705	713.298
57.5	481.730	515.535	593.288	657.519	676.112
60.0	441.163	474.969	551.031	615.262	635.545
62.5	397.216	431.021	510.465	573.005	588.217
65.0	358.339	390.455	471.588	530.748	540.890
67.5	314.392	346.507	427.641	473.278	478.349
70.0	273.825	311.012	383.694	414.119	409.048
72.5	238.329	275.516	338.056	353.269	344.817
75.0	201.143	238.329	287.348	285.657	278.896
77.5	165.647	204.524	234.949	228.188	218.046
80.0	128.461	162.267	179.170	172.409	169.028
82.5	92.965	123.390	131.842	130.152	130.152
85.0	62.540	82.824	87.895	92.965	98.036
87.5	32.115	42.257	42.257	45.638	47.328
90.0	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPASC14-LED-35L-35.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	401.99	N.A.	11.80
0-30	863.90	N.A.	25.30
0-40	1431.25	N.A.	42.00
0-60	2589.2	N.A.	75.90
0-80	3320.08	N.A.	97.30
0-90	3411.39	N.A.	100.00
10-90	3308.65	N.A.	97.00
20-40	1029.26	N.A.	30.20
20-50	1628.18	N.A.	47.70
40-70	1610.2	N.A.	47.20
60-80	730.89	N.A.	21.40
70-80	278.64	N.A.	8.20
80-90	91.30	N.A.	2.70
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	3411.39	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	102.74
10-20	299.25
20-30	461.91
30-40	567.35
40-50	598.92
50-60	559.03
60-70	452.25
70-80	278.64
80-90	91.30
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

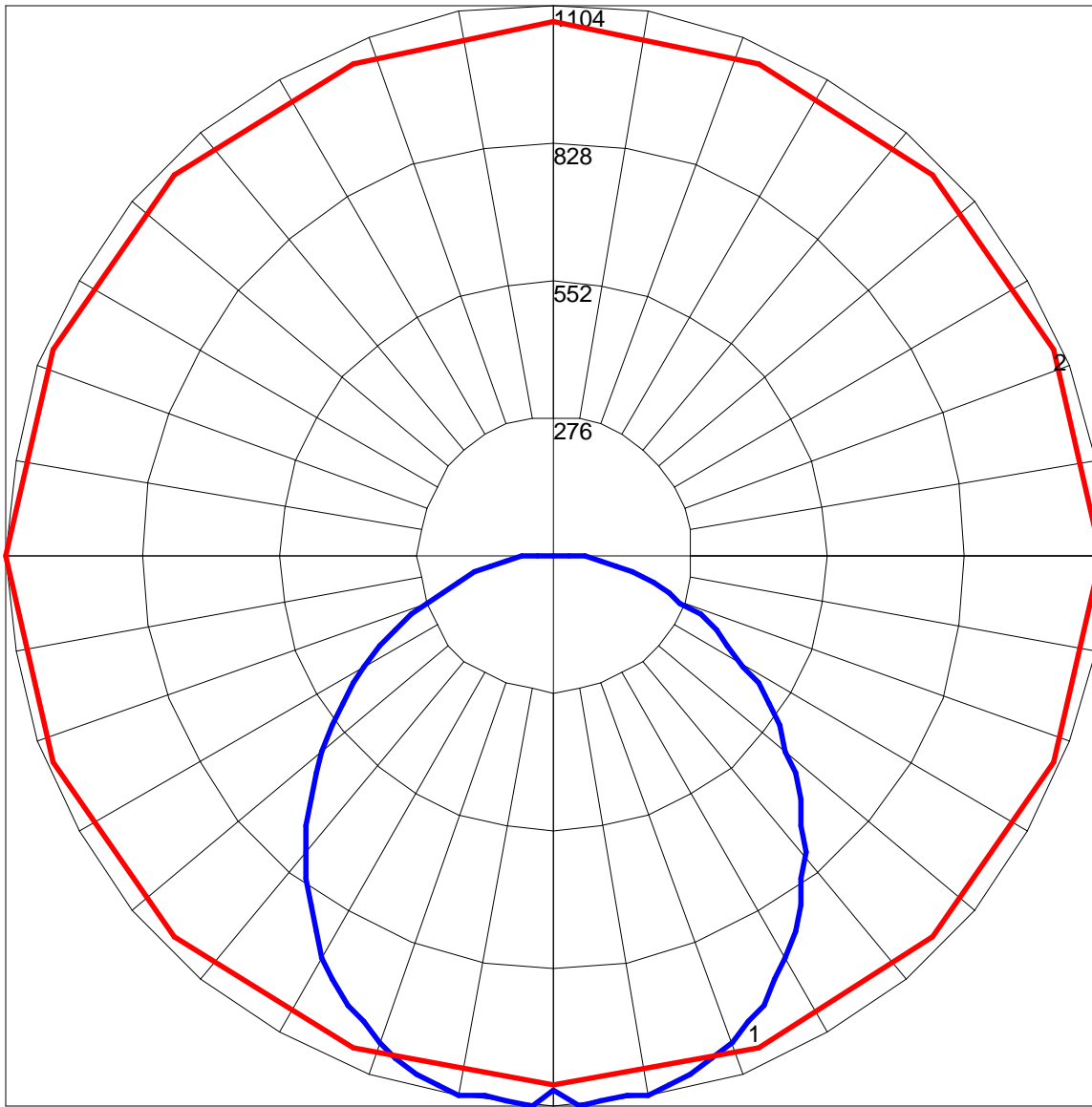
IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPASC14-LED-35L-35.IES

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	108	103	98	94	105	101	97	93	96	93	90	92	90	87	89	87	84	82
2	98	89	82	76	95	87	81	75	84	78	73	80	76	72	77	73	70	68
3	89	78	69	63	86	76	68	62	73	66	61	70	65	60	68	63	59	56
4	81	69	60	53	79	67	59	52	65	57	52	62	56	51	60	55	50	48
5	74	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41
6	69	55	46	39	67	54	45	39	52	44	39	50	44	38	49	43	38	36
7	64	50	41	34	62	49	40	34	47	40	34	46	39	34	44	38	34	31
8	59	45	37	31	58	45	36	31	43	36	30	42	35	30	41	35	30	28
9	55	42	33	27	54	41	33	27	40	32	27	39	32	27	38	31	27	25
10	52	38	30	25	50	38	30	25	37	30	25	36	29	25	35	29	24	23

POLAR GRAPH



Maximum Candela = 1103.753 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.)