



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LPASC24-LED-35L-50.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-8781_scaled
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]07/13/17
[TEST DATE]04/18/17
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]LPASC24-LED-35L-50
[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	3751
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	130
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	1394	1591	1752
55	1281	1596	1847
65	1188	1648	2008
75	1074	1888	2471
85	979	2401	2305

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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	1127.527	1127.527	1127.527	1127.527	1127.527
2.5	1154.637	1137.385	1128.759	1117.669	1109.043
5.0	1154.637	1137.385	1128.759	1118.901	1110.275
7.5	1149.708	1133.688	1126.295	1118.901	1110.275
10.0	1143.547	1128.759	1122.598	1117.669	1110.275
12.5	1133.688	1120.133	1117.669	1113.972	1107.811
15.0	1121.366	1107.811	1107.811	1109.043	1104.114
17.5	1104.114	1093.023	1097.953	1102.882	1099.185
20.0	1083.165	1075.772	1085.630	1094.256	1093.023
22.5	1059.752	1056.055	1070.843	1084.398	1085.630
25.0	1033.875	1033.875	1053.591	1073.307	1074.539
27.5	1003.068	1006.765	1032.642	1057.288	1063.449
30.0	971.029	978.422	1010.461	1042.500	1048.662
32.5	934.061	945.151	985.816	1022.784	1031.410
35.0	894.628	910.648	958.706	1001.836	1011.694
37.5	855.195	873.679	926.667	978.422	990.745
40.0	813.298	835.479	897.093	952.545	967.332
42.5	770.169	794.814	862.589	925.435	940.222
45.0	725.807	751.685	828.085	894.628	911.880
47.5	677.749	709.788	791.117	863.821	882.305
50.0	630.922	666.658	751.685	830.550	851.499
52.5	585.328	622.296	713.484	793.582	815.763
55.0	540.967	579.167	674.052	756.614	780.027
57.5	496.605	537.270	634.619	719.646	741.827
60.0	454.708	494.140	593.954	681.445	703.626
62.5	411.578	452.243	553.289	640.780	664.194
65.0	369.681	410.346	512.624	601.348	624.761
67.5	324.087	365.984	474.424	563.147	585.328
70.0	283.422	327.784	433.759	523.715	545.896
72.5	243.989	289.583	395.559	484.282	507.695
75.0	204.557	252.615	359.823	447.314	470.727
77.5	167.589	218.112	322.855	411.578	430.062
80.0	131.853	184.841	288.351	347.500	349.965
82.5	97.349	150.337	235.364	255.080	243.989
85.0	62.846	114.601	154.034	151.569	147.872
87.5	30.807	62.846	69.007	73.936	73.936
90.0	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	421.09	N.A.	11.20
0-30	906.68	N.A.	24.20
0-40	1504.83	N.A.	40.10
0-60	2737.71	N.A.	73.00
0-80	3606.47	N.A.	96.10
0-90	3751.1	N.A.	100.00
10-90	3643.49	N.A.	97.10
20-40	1083.74	N.A.	28.90
20-50	1719.12	N.A.	45.80
40-70	1733.64	N.A.	46.20
60-80	868.77	N.A.	23.20
70-80	368.01	N.A.	9.80
80-90	144.62	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	3751.1	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	107.60
10-20	313.48
20-30	485.60
30-40	598.14
40-50	635.38
50-60	597.51
60-70	500.76
70-80	368.01
80-90	144.62
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

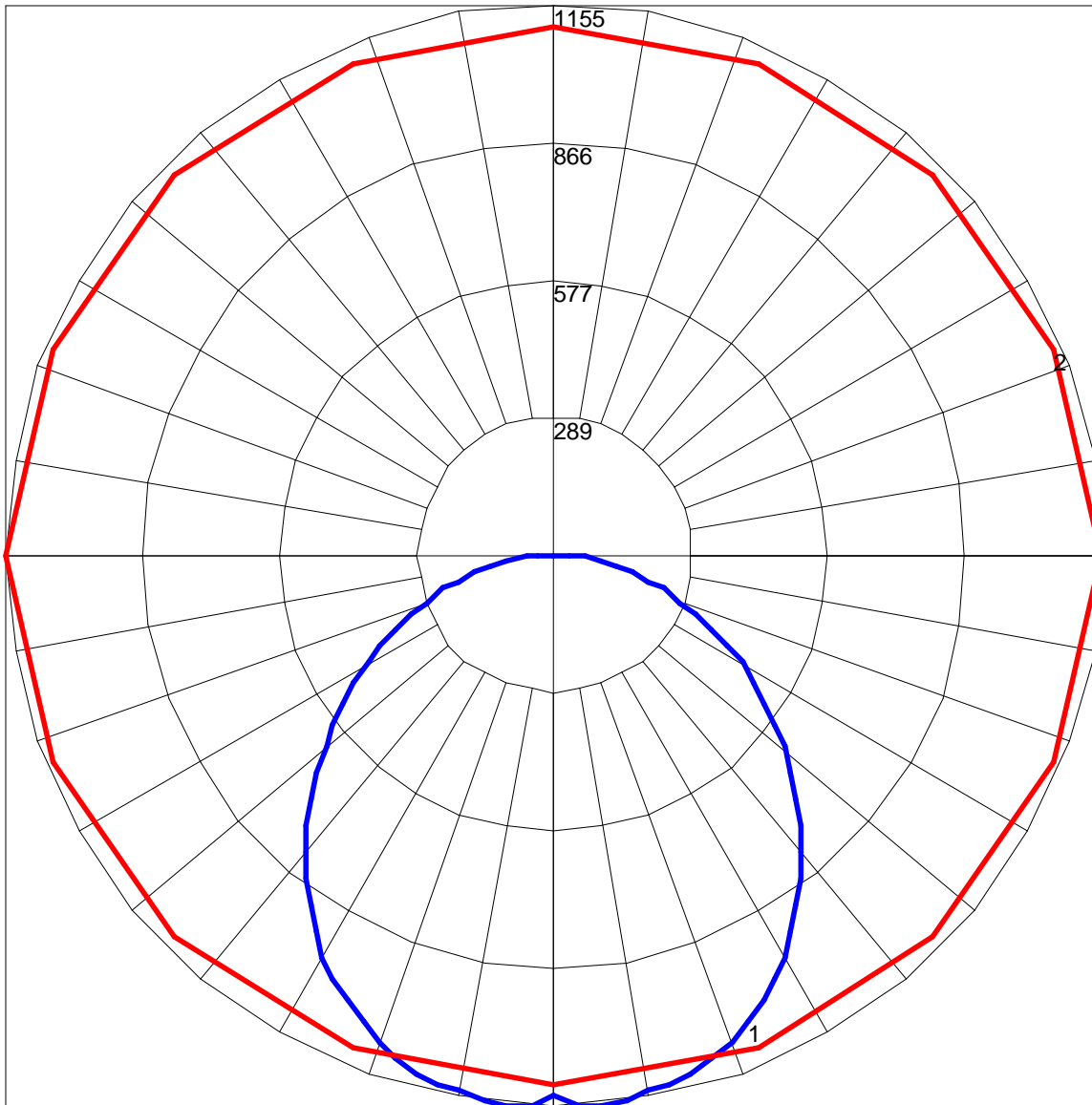
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1154.637 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.)