



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPASC14-LED-35L-50.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
[MANUFAC]LSI INDUSTRIES, INC
[LUMCAT]LPASC14-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	3740
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	133
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	2903	3248	3530
55	2693	3231	3666
65	2499	3289	3773
75	2291	3273	3176
85	2115	2973	3316

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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	1180.558	1180.558	1180.558	1180.558	1180.558
2.5	1210.211	1191.678	1182.412	1171.292	1165.732
5.0	1206.505	1189.825	1182.412	1171.292	1162.025
7.5	1200.945	1186.118	1178.705	1169.439	1163.879
10.0	1200.945	1182.412	1176.852	1169.439	1162.025
12.5	1187.972	1171.292	1169.439	1163.879	1158.319
15.0	1174.999	1160.172	1162.025	1162.025	1154.612
17.5	1160.172	1147.199	1149.052	1152.759	1149.052
20.0	1136.079	1126.812	1132.372	1139.786	1137.932
22.5	1111.986	1106.426	1115.693	1128.666	1126.812
25.0	1087.893	1082.333	1099.013	1113.839	1113.839
27.5	1054.533	1054.533	1076.773	1097.160	1100.866
30.0	1019.320	1026.734	1052.680	1078.626	1084.186
32.5	980.401	989.668	1024.880	1056.387	1061.947
35.0	943.335	956.308	997.081	1036.000	1043.414
37.5	898.855	915.535	963.721	1008.201	1017.467
40.0	858.083	876.616	932.215	980.401	991.521
42.5	808.043	830.283	893.295	945.188	960.015
45.0	763.564	785.803	854.376	913.682	928.508
47.5	715.378	745.031	817.310	882.176	898.855
50.0	667.192	698.698	774.684	843.256	858.083
52.5	620.859	654.218	735.764	802.483	822.870
55.0	574.526	607.886	689.431	761.710	782.097
57.5	528.193	565.260	650.512	720.938	741.324
60.0	483.714	520.780	604.179	674.605	696.845
62.5	435.528	472.594	559.700	628.272	644.952
65.0	392.902	428.115	517.073	581.939	593.059
67.5	344.716	379.929	468.887	518.927	524.487
70.0	300.236	341.009	420.701	454.061	448.501
72.5	261.317	302.090	370.662	387.342	378.075
75.0	220.544	261.317	315.063	313.209	305.796
77.5	181.624	224.251	257.610	250.197	239.077
80.0	140.852	177.918	196.451	189.038	185.331
82.5	101.932	135.292	144.558	142.705	142.705
85.0	68.572	90.812	96.372	101.932	107.492
87.5	35.213	46.333	46.333	50.039	51.893
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	440.76	N.A.	11.80
0-30	947.22	N.A.	25.30
0-40	1569.29	N.A.	42.00
0-60	2838.93	N.A.	75.90
0-80	3640.31	N.A.	97.30
0-90	3740.42	N.A.	100.00
10-90	3627.78	N.A.	97.00
20-40	1128.53	N.A.	30.20
20-50	1785.22	N.A.	47.70
40-70	1765.51	N.A.	47.20
60-80	801.38	N.A.	21.40
70-80	305.51	N.A.	8.20
80-90	100.11	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	3740.42	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	112.64
10-20	328.12
20-30	506.46
30-40	622.07
40-50	656.68
50-60	612.95
60-70	495.87
70-80	305.51
80-90	100.11
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

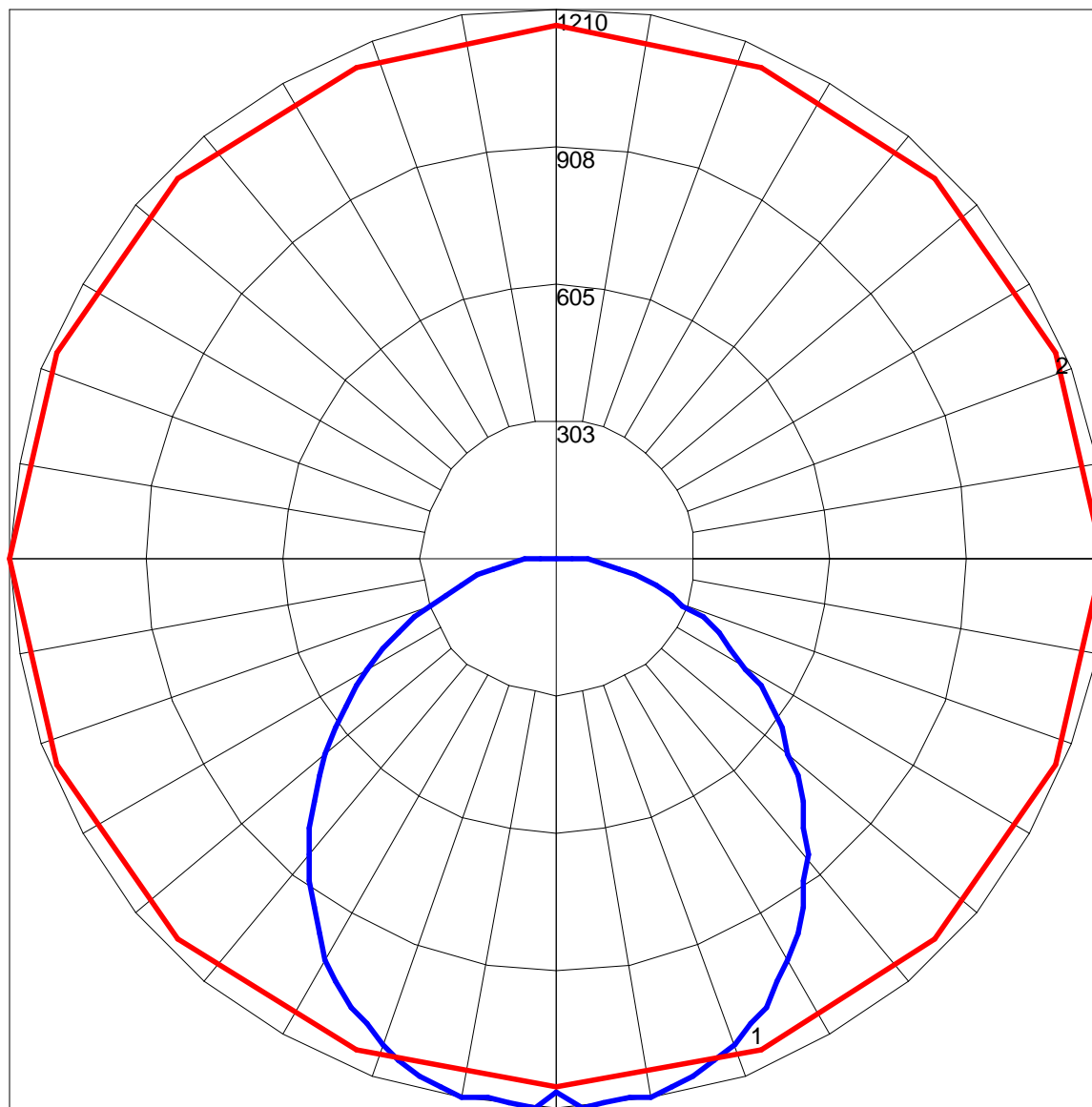
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	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 = 1210.211 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.)