



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPASC14-LED-40L-30.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-8850_scaled
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE]DATE]08/18/17
[TEST]DATE]08/18/17
[MANUFAC]LSI INDUSTRIES, INC
[LUMCAT]LPASC14-LED-40L-30
[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	3890
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	119
Total Luminaire Watts	32.7
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	3020	3379	3672
55	2801	3361	3813
65	2600	3421	3924
75	2383	3404	3304
85	2200	3092	3449

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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	1227.913	1227.913	1227.913	1227.913	1227.913
2.5	1258.755	1239.479	1229.841	1218.275	1212.492
5.0	1254.900	1237.551	1229.841	1218.275	1208.637
7.5	1249.117	1233.696	1225.985	1216.347	1210.564
10.0	1249.117	1229.841	1224.058	1216.347	1208.637
12.5	1235.624	1218.275	1216.347	1210.564	1204.781
15.0	1222.130	1206.709	1208.637	1208.637	1200.926
17.5	1206.709	1193.215	1195.143	1198.998	1195.143
20.0	1181.649	1172.011	1177.794	1185.505	1183.577
22.5	1156.590	1150.807	1160.445	1173.939	1172.011
25.0	1131.531	1125.748	1143.096	1158.518	1158.518
27.5	1096.833	1096.833	1119.965	1141.169	1145.024
30.0	1060.207	1067.918	1094.905	1121.892	1127.675
32.5	1019.727	1029.365	1065.990	1098.760	1104.543
35.0	981.174	994.667	1037.076	1077.556	1085.267
37.5	934.910	952.259	1002.378	1048.642	1058.280
40.0	892.502	911.778	969.608	1019.727	1031.293
42.5	840.455	863.587	929.127	983.101	998.523
45.0	794.192	817.324	888.647	950.331	965.753
47.5	744.073	774.915	850.094	917.561	934.910
50.0	693.954	726.724	805.758	877.081	892.502
52.5	645.763	680.460	765.277	834.672	855.877
55.0	597.571	632.269	717.086	792.264	813.468
57.5	549.380	587.933	676.605	749.856	771.060
60.0	503.117	541.670	628.414	701.665	724.796
62.5	452.998	491.551	582.150	653.473	670.822
65.0	408.662	445.287	537.814	605.282	616.848
67.5	358.543	395.168	487.695	539.742	545.525
70.0	312.279	354.688	437.577	472.274	466.491
72.5	271.799	314.207	385.530	402.879	393.241
75.0	229.390	271.799	327.700	325.773	318.062
77.5	188.910	233.246	267.943	260.233	248.667
80.0	146.501	185.054	204.331	196.620	192.765
82.5	106.021	140.718	150.357	148.429	148.429
85.0	71.323	94.455	100.238	106.021	111.804
87.5	36.625	48.191	48.191	52.047	53.974
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	458.44	N.A.	11.80
0-30	985.22	N.A.	25.30
0-40	1632.24	N.A.	42.00
0-60	2952.8	N.A.	75.90
0-80	3786.33	N.A.	97.30
0-90	3890.46	N.A.	100.00
10-90	3773.29	N.A.	97.00
20-40	1173.8	N.A.	30.20
20-50	1856.82	N.A.	47.70
40-70	1836.33	N.A.	47.20
60-80	833.53	N.A.	21.40
70-80	317.76	N.A.	8.20
80-90	104.13	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	3890.46	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	117.16
10-20	341.28
20-30	526.78
30-40	647.02
40-50	683.02
50-60	637.54
60-70	515.76
70-80	317.76
80-90	104.13
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

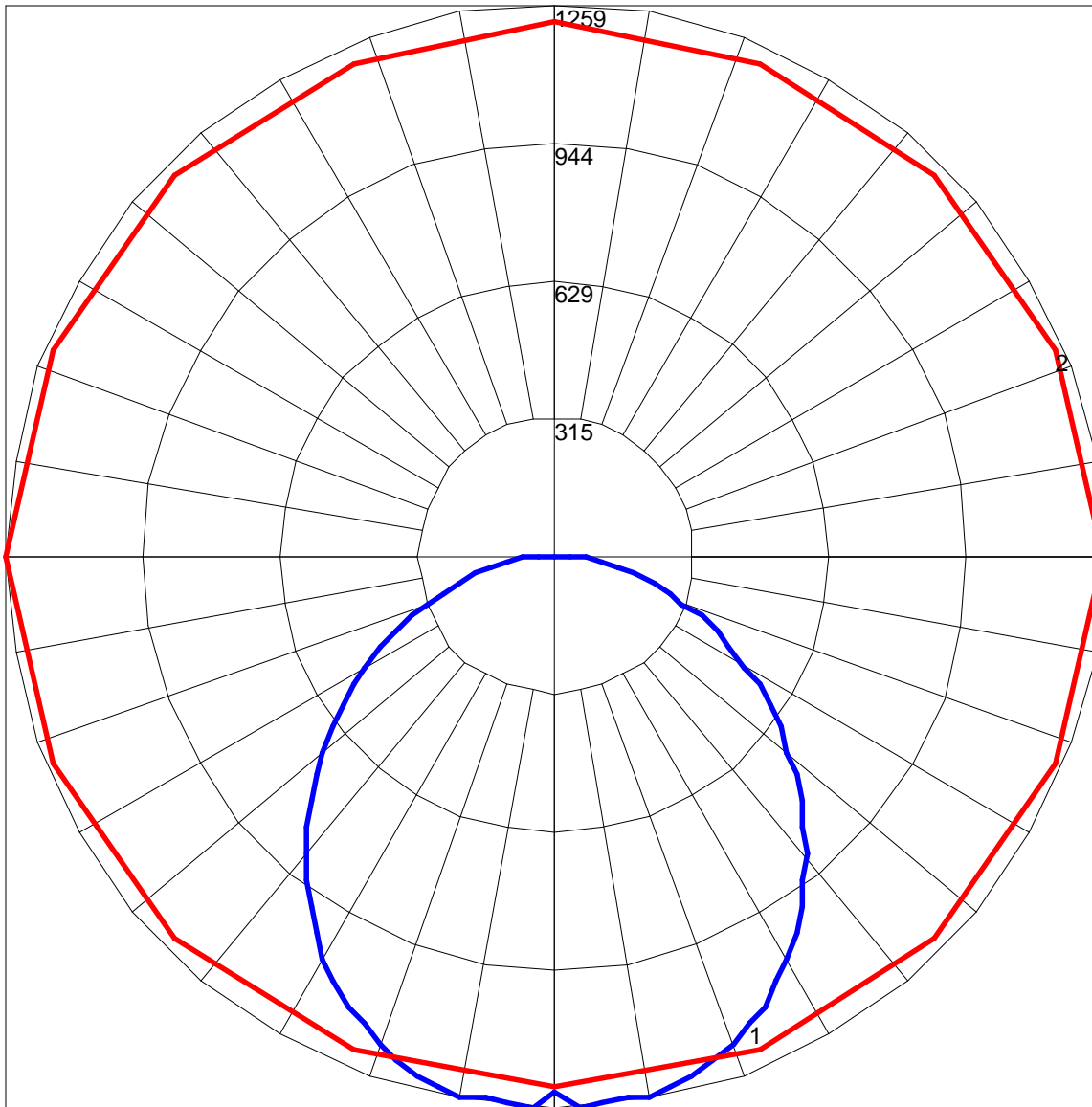
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1258.755 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.)