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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-8845
[TESTLAB]LSI INDUSTRIES, INC
[ISSUEDATE]04/28/17
[TESTDATE]04/28/17
[MANUFAC]LSI INDUSTRIES, INC
[LUMCAT]LPASC14-LED-40L-40
[_ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[_SEARCH_SOURCETYPE] LED
[_SEARCH_APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4035
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	123
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	3129	3509	3813
55	2897	3492	3961
65	2697	3543	4046
75	2462	3521	3480
85	2313	3177	3547

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CANDELA TABULATION

	0.0	22.5	45.0	67.5	90.0
0.0	1274	1274	1274	1274	1274
2.5	1304	1283	1274	1264	1255
5.0	1302	1283	1274	1264	1255
7.5	1298	1279	1271	1263	1254
10.0	1291	1274	1267	1260	1252
12.5	1280	1263	1258	1255	1247
15.0	1265	1250	1249	1248	1244
17.5	1247	1234	1238	1241	1236
20.0	1226	1215	1222	1230	1227
22.5	1200	1192	1205	1218	1217
25.0	1169	1166	1184	1201	1203
27.5	1137	1138	1161	1185	1187
30.0	1100	1106	1135	1164	1170
32.5	1059	1068	1105	1140	1147
35.0	1016	1029	1074	1116	1124
37.5	971	989	1039	1087	1097
40.0	924	944	1003	1056	1069
42.5	875	899	964	1022	1037
45.0	823	852	923	987	1003
47.5	773	803	880	949	966
50.0	720	754	837	910	929
52.5	669	705	792	866	888
55.0	618	656	745	822	845
57.5	569	608	699	778	797
60.0	520	560	652	730	749
62.5	471	511	604	679	696
65.0	424	464	557	625	636
67.5	374	414	507	563	566
70.0	327	368	454	493	488
72.5	281	323	399	418	410
75.0	237	281	339	341	335
77.5	193	238	276	269	257
80.0	151	193	213	204	201
82.5	112	146	155	154	156
85.0	75	98	103	111	115
87.5	38	50	53	56	56
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	474.78	N.A.	11.80
0-30	1021.01	N.A.	25.30
0-40	1691.69	N.A.	41.90
0-60	3061.35	N.A.	75.90
0-80	3926.41	N.A.	97.30
0-90	4034.93	N.A.	100.00
10-90	3913.47	N.A.	97.00
20-40	1216.91	N.A.	30.20
20-50	1925.68	N.A.	47.70
40-70	1905.39	N.A.	47.20
60-80	865.06	N.A.	21.40
70-80	329.34	N.A.	8.20
80-90	108.51	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	4034.93	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	121.46
10-20	353.32
20-30	546.23
30-40	670.67
40-50	708.77
50-60	660.89
60-70	535.73
70-80	329.34
80-90	108.51
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	51	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	33	31
8	59	45	37	31	58	45	36	30	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

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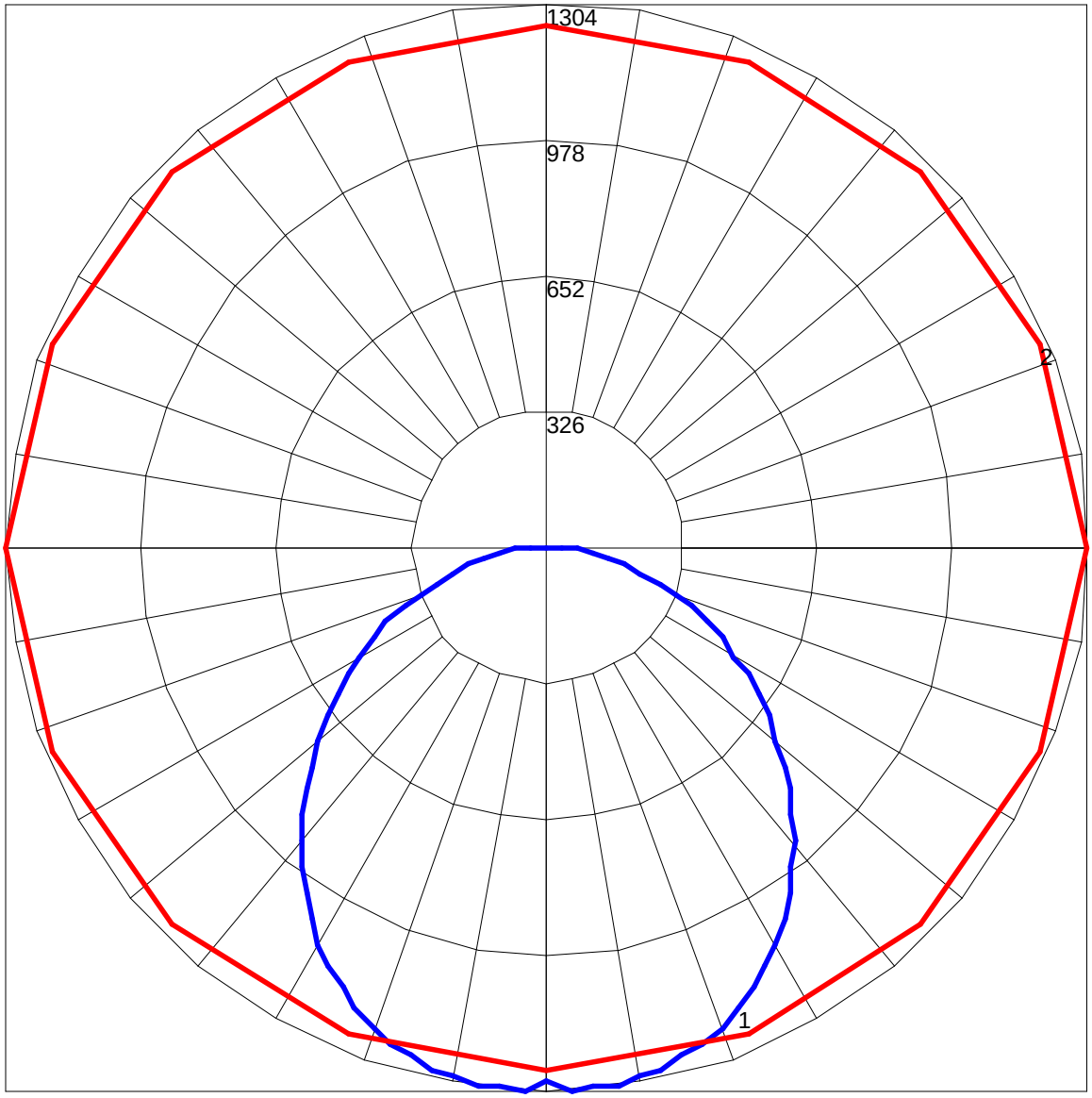
POLAR GRAPH



Maximum Candela = 1304 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.)