



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPASC24-LED-40L-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-8787
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]04/18/17
[TEST DATE]04/18/17
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]LPASC24-LED-40L-40
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[SEARCH_SOURCE TYPE] LED
[SEARCH_APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4075
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	128
Total Luminaire Watts	31.8
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.40
Spacing Criterion (Diagonal)	1.44
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	1506	1727	1906
55	1390	1731	2001
65	1286	1787	2170
75	1170	2042	2661
85	1044	2681	2681

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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	1226	1226	1226	1226	1226
2.5	1258	1239	1228	1218	1208
5.0	1255	1237	1227	1218	1209
7.5	1251	1235	1226	1218	1210
10.0	1244	1228	1222	1216	1210
12.5	1233	1219	1216	1214	1208
15.0	1217	1205	1207	1209	1205
17.5	1199	1189	1196	1202	1199
20.0	1177	1171	1182	1193	1192
22.5	1152	1149	1166	1182	1184
25.0	1123	1125	1146	1169	1173
27.5	1091	1097	1126	1153	1159
30.0	1053	1064	1100	1134	1143
32.5	1016	1030	1073	1114	1123
35.0	973	992	1043	1090	1102
37.5	929	951	1010	1063	1079
40.0	884	909	975	1036	1052
42.5	833	864	938	1005	1024
45.0	784	817	899	971	992
47.5	733	771	859	937	958
50.0	684	724	816	900	923
52.5	634	676	773	858	883
55.0	587	630	731	818	845
57.5	539	583	686	777	802
60.0	491	536	643	733	759
62.5	445	490	599	691	716
65.0	400	443	556	649	675
67.5	353	398	512	606	630
70.0	306	354	468	561	586
72.5	265	314	428	522	545
75.0	223	275	389	479	507
77.5	182	237	350	442	467
80.0	144	201	312	379	383
82.5	106	164	256	289	284
85.0	67	123	172	175	172
87.5	33	67	78	88	94
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	458.45	N.A.	11.30
0-30	987.23	N.A.	24.20
0-40	1638.16	N.A.	40.20
0-60	2975.18	N.A.	73.00
0-80	3913.65	N.A.	96.00
0-90	4074.72	N.A.	100.00
10-90	3957.6	N.A.	97.10
20-40	1179.72	N.A.	29.00
20-50	1869.63	N.A.	45.90
40-70	1877.9	N.A.	46.10
60-80	938.47	N.A.	23.00
70-80	397.59	N.A.	9.80
80-90	161.08	N.A.	4.00
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	4074.72	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	117.12
10-20	341.33
20-30	528.78
30-40	650.94
40-50	689.91
50-60	647.10
60-70	540.88
70-80	397.59
80-90	161.08
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

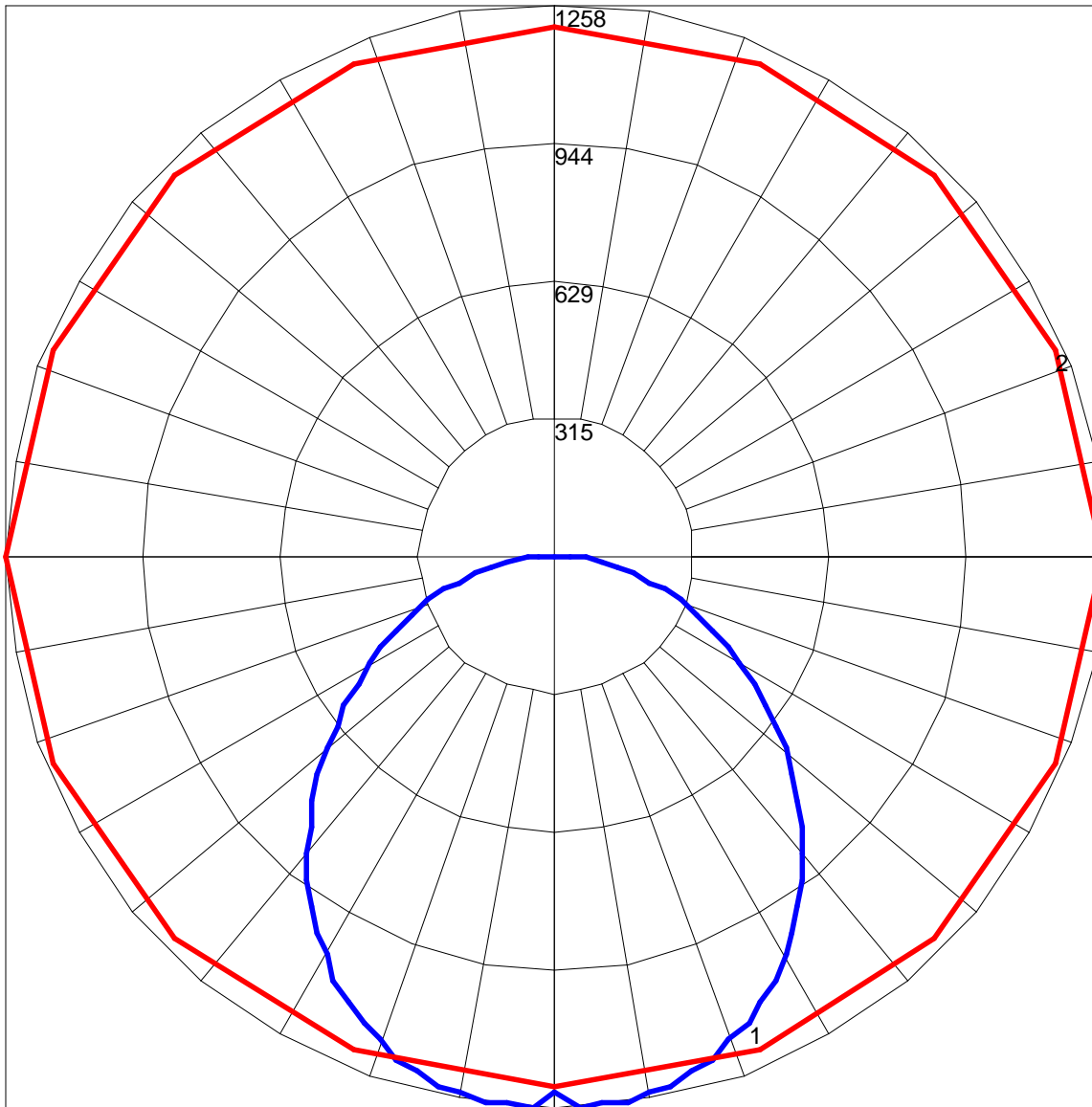
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	85	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	51	63	56	50	61	54	49	59	53	48	46
5	74	60	50	44	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	37	34
7	63	49	40	33	61	48	39	33	46	38	33	45	38	33	43	37	32	30
8	58	44	36	29	57	44	35	29	42	35	29	41	34	29	40	34	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 = 1258 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.)