



IES INDOOR REPORT
PHOTOMETRIC FILENAME : S4-LED-40L-30.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-9752_scaled
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]6/12/2018
[TEST DATE]02/22/18
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMCAT]S4-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_SOURCETYPE] LED
[SEARCH_APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4013
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	145
Total Luminaire Watts	27.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.42
Spacing Criterion (90-270)	1.34
Spacing Criterion (Diagonal)	1.48
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	0.25 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	14882	14336	14003
55	14946	14311	13900
65	14504	13540	13236
75	12835	12007	11841
85	9098	9590	9590

IES INDOOR REPORT
PHOTOMETRIC FILENAME : S4-LED-40L-30.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	1223.671	1223.671	1223.671	1223.671	1223.671
2.5	1261.537	1231.643	1221.678	1211.714	1201.749
5.0	1263.530	1233.636	1223.671	1213.707	1201.749
7.5	1259.544	1231.643	1219.685	1209.721	1197.763
10.0	1257.551	1229.650	1215.699	1207.728	1195.770
12.5	1255.558	1225.664	1213.707	1203.742	1191.784
15.0	1249.580	1221.678	1207.728	1197.763	1187.798
17.5	1239.615	1213.707	1199.756	1187.798	1177.833
20.0	1229.650	1201.749	1187.798	1175.840	1167.869
22.5	1215.699	1189.791	1175.840	1163.883	1155.911
25.0	1201.749	1177.833	1159.897	1149.932	1139.967
27.5	1185.805	1161.890	1143.953	1133.989	1124.024
30.0	1163.883	1141.960	1124.024	1112.066	1102.101
32.5	1139.967	1118.045	1098.115	1088.151	1078.186
35.0	1114.059	1090.144	1072.207	1062.242	1052.278
37.5	1084.165	1064.235	1044.306	1034.341	1022.383
40.0	1056.263	1032.348	1012.419	1002.454	994.482
42.5	1018.397	998.468	978.538	968.574	960.602
45.0	978.538	960.602	942.665	930.708	920.743
47.5	936.686	918.750	902.806	892.842	882.877
50.0	892.842	874.905	856.968	848.997	841.025
52.5	845.011	827.074	811.131	799.173	795.187
55.0	797.180	779.243	763.300	749.349	741.377
57.5	745.363	727.427	709.490	693.547	687.568
60.0	691.554	671.624	655.681	639.737	635.751
62.5	631.765	617.814	591.906	579.948	577.955
65.0	569.984	554.040	532.118	520.160	520.160
67.5	506.209	494.252	474.322	464.357	462.364
70.0	440.442	426.491	412.541	404.569	400.583
72.5	374.675	364.710	352.752	346.773	344.780
75.0	308.907	296.950	288.978	284.992	284.992
77.5	247.126	235.168	233.175	227.196	229.189
80.0	187.337	177.373	177.373	171.394	173.387
82.5	127.549	121.570	123.563	119.577	119.577
85.0	73.739	75.732	77.725	73.739	77.725
87.5	29.894	33.880	37.866	35.873	35.873
90.0	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : S4-LED-40L-30.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	459.05	N.A.	11.40
0-30	996.47	N.A.	24.80
0-40	1670.81	N.A.	41.60
0-60	3082.79	N.A.	76.80
0-80	3926.00	N.A.	97.80
0-90	4013.4	N.A.	100.00
10-90	3896.65	N.A.	97.10
20-40	1211.75	N.A.	30.20
20-50	1941.14	N.A.	48.40
40-70	1944.66	N.A.	48.50
60-80	843.21	N.A.	21.00
70-80	310.54	N.A.	7.70
80-90	87.39	N.A.	2.20
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	4013.4	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	116.74
10-20	342.31
20-30	537.42
30-40	674.34
40-50	729.39
50-60	682.60
60-70	532.67
70-80	310.54
80-90	87.39
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

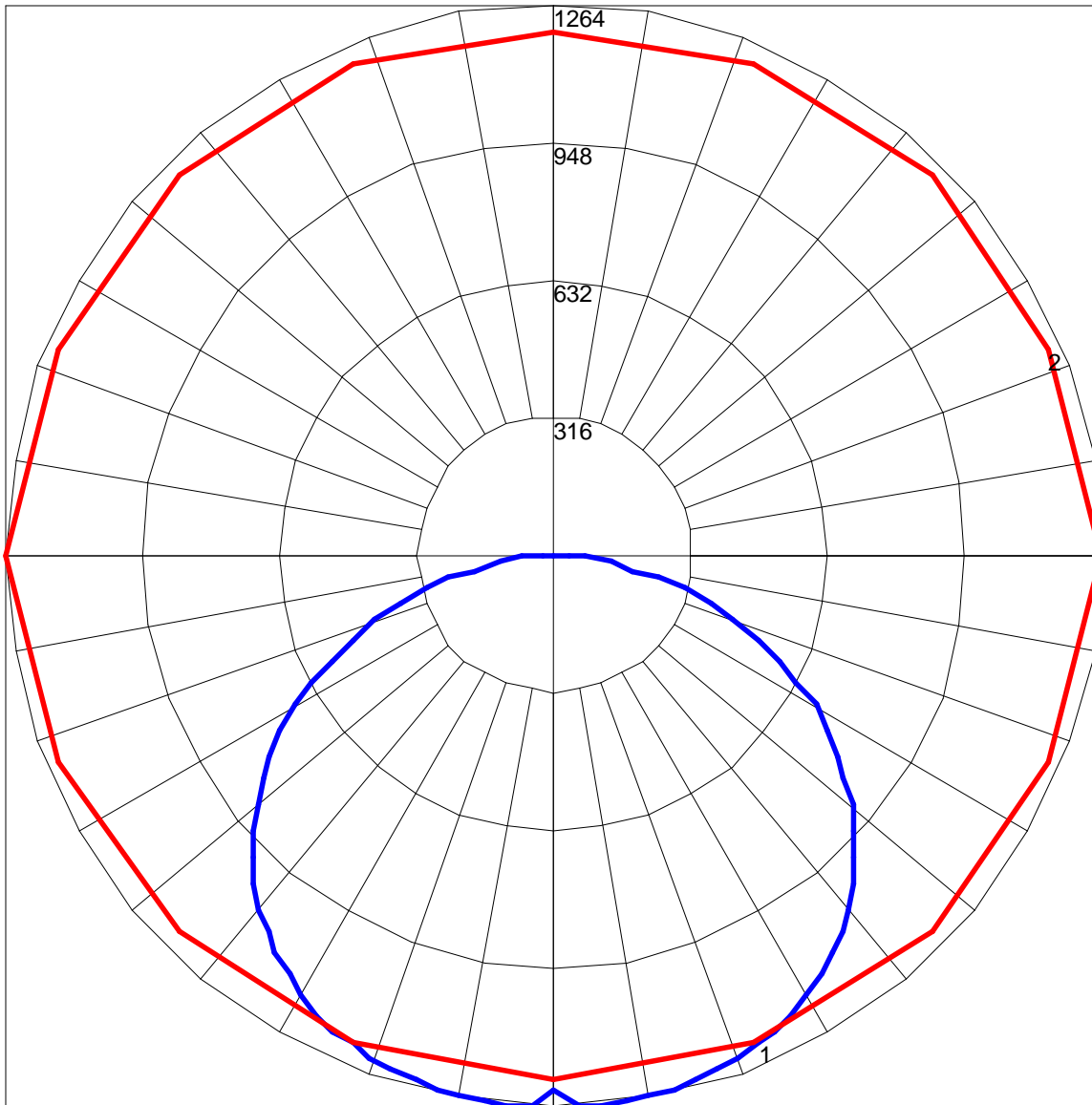
IES INDOOR REPORT
PHOTOMETRIC FILENAME : S4-LED-40L-30.IES

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	99	95	106	101	97	93	97	93	90	93	90	87	89	87	85	83
2	98	89	82	76	95	88	81	75	84	78	74	81	76	72	78	74	70	68
3	89	78	70	63	87	77	69	62	73	67	61	71	65	60	68	63	59	57
4	81	69	60	53	79	68	59	52	65	58	52	63	56	51	60	55	50	48
5	75	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	36	31	57	45	36	30	43	36	30	42	35	30	41	34	30	28
9	55	41	33	27	54	41	33	27	40	32	27	39	32	27	37	31	27	25
10	52	38	30	25	50	38	30	25	37	29	24	36	29	24	35	29	24	22

POLAR GRAPH



Maximum Candela = 1263.53 Located At Horizontal Angle = 0, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)