



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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-9715
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]03/30/2018
[TEST DATE]02/15/18
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMCAT]S4-LED-30L-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	3011
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	144
Total Luminaire Watts	20.9
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.40
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	11087	10767	10524
55	11137	10743	10406
65	10764	10229	9924
75	9681	9058	8892
85	6910	7156	7156

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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	917	917	917	917	917
2.5	943	924	916	911	901
5.0	944	925	917	911	902
7.5	944	925	917	910	902
10.0	942	924	915	908	899
12.5	939	921	911	904	896
15.0	935	916	907	899	891
17.5	929	910	900	893	885
20.0	922	903	892	885	877
22.5	912	894	882	876	867
25.0	901	884	871	864	856
27.5	888	871	859	851	841
30.0	871	856	844	835	825
32.5	854	840	828	817	808
35.0	833	820	807	797	789
37.5	811	799	785	776	767
40.0	786	776	762	752	744
42.5	757	749	735	727	719
45.0	729	721	708	699	692
47.5	699	690	677	669	662
50.0	665	658	645	636	630
52.5	630	623	609	599	593
55.0	594	586	573	559	555
57.5	556	548	534	518	513
60.0	514	506	490	475	473
62.5	471	463	446	433	431
65.0	423	419	402	391	390
67.5	377	371	355	348	347
70.0	330	321	309	304	303
72.5	280	273	262	260	257
75.0	233	224	218	214	214
77.5	185	177	174	170	170
80.0	139	133	132	129	129
82.5	96	93	93	90	91
85.0	56	57	58	56	58
87.5	24	27	29	28	30
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	344.62	N.A.	11.40
0-30	747.98	N.A.	24.80
0-40	1254.2	N.A.	41.70
0-60	2312.57	N.A.	76.80
0-80	2944.66	N.A.	97.80
0-90	3010.8	N.A.	100.00
10-90	2923.14	N.A.	97.10
20-40	909.58	N.A.	30.20
20-50	1456.5	N.A.	48.40
40-70	1457.71	N.A.	48.40
60-80	632.08	N.A.	21.00
70-80	232.75	N.A.	7.70
80-90	66.14	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	3010.8	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	87.66
10-20	256.97
20-30	403.36
30-40	506.22
40-50	546.92
50-60	511.46
60-70	399.33
70-80	232.75
80-90	66.14
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

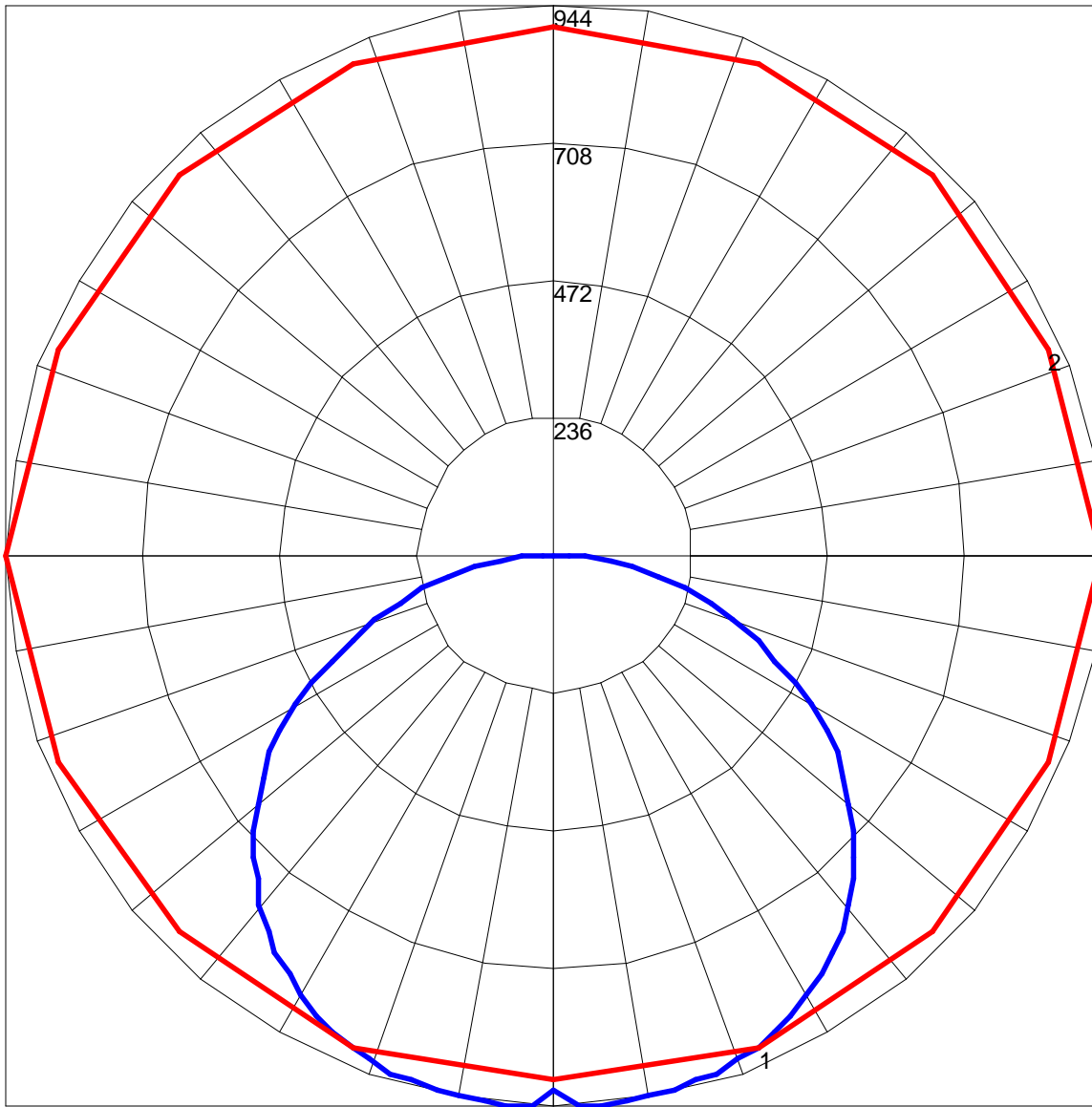
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	99	95	105	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	37	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 = 944 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.)