



IES INDOOR REPORT
PHOTOMETRIC FILENAME : S2-LED-15L-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-9759
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]03/30/2018
[TEST DATE]02/22/18
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMCAT]S2-LED-15L-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	1520
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	135
Total Luminaire Watts	11.3
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)	2.00 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	11224	10859	10676
55	11287	10837	10537
65	10942	10280	10026
75	9972	9141	8975
85	7403	7403	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	463	463	463	463	463
2.5	475	469	464	457	453
5.0	476	470	464	457	453
7.5	475	469	463	457	453
10.0	474	469	462	456	453
12.5	473	467	460	454	450
15.0	471	465	459	452	449
17.5	467	461	455	449	445
20.0	464	458	452	445	443
22.5	459	454	447	441	437
25.0	454	448	442	435	432
27.5	448	442	436	429	427
30.0	439	434	428	421	418
32.5	430	425	418	412	409
35.0	420	415	408	402	399
37.5	410	404	396	391	390
40.0	398	391	384	379	378
42.5	382	377	371	366	365
45.0	369	363	357	353	351
47.5	352	347	341	337	336
50.0	336	330	325	320	319
52.5	319	313	308	302	301
55.0	301	295	289	283	281
57.5	280	275	269	262	260
60.0	260	255	246	241	239
62.5	238	233	224	219	218
65.0	215	210	202	198	197
67.5	192	186	178	176	175
70.0	168	162	154	153	152
72.5	144	138	131	130	130
75.0	120	113	110	108	108
77.5	96	89	87	86	86
80.0	73	67	66	65	65
82.5	49	47	47	46	45
85.0	30	29	30	28	29
87.5	13	14	15	14	15
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	173.92	N.A.	11.40
0-30	377.91	N.A.	24.90
0-40	633.65	N.A.	41.70
0-60	1167.53	N.A.	76.80
0-80	1486.29	N.A.	97.80
0-90	1519.89	N.A.	100.00
10-90	1475.67	N.A.	97.10
20-40	459.73	N.A.	30.20
20-50	735.57	N.A.	48.40
40-70	735.17	N.A.	48.40
60-80	318.76	N.A.	21.00
70-80	117.47	N.A.	7.70
80-90	33.60	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	1519.89	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	44.22
10-20	129.69
20-30	203.99
30-40	255.74
40-50	275.84
50-60	258.05
60-70	201.29
70-80	117.47
80-90	33.60
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

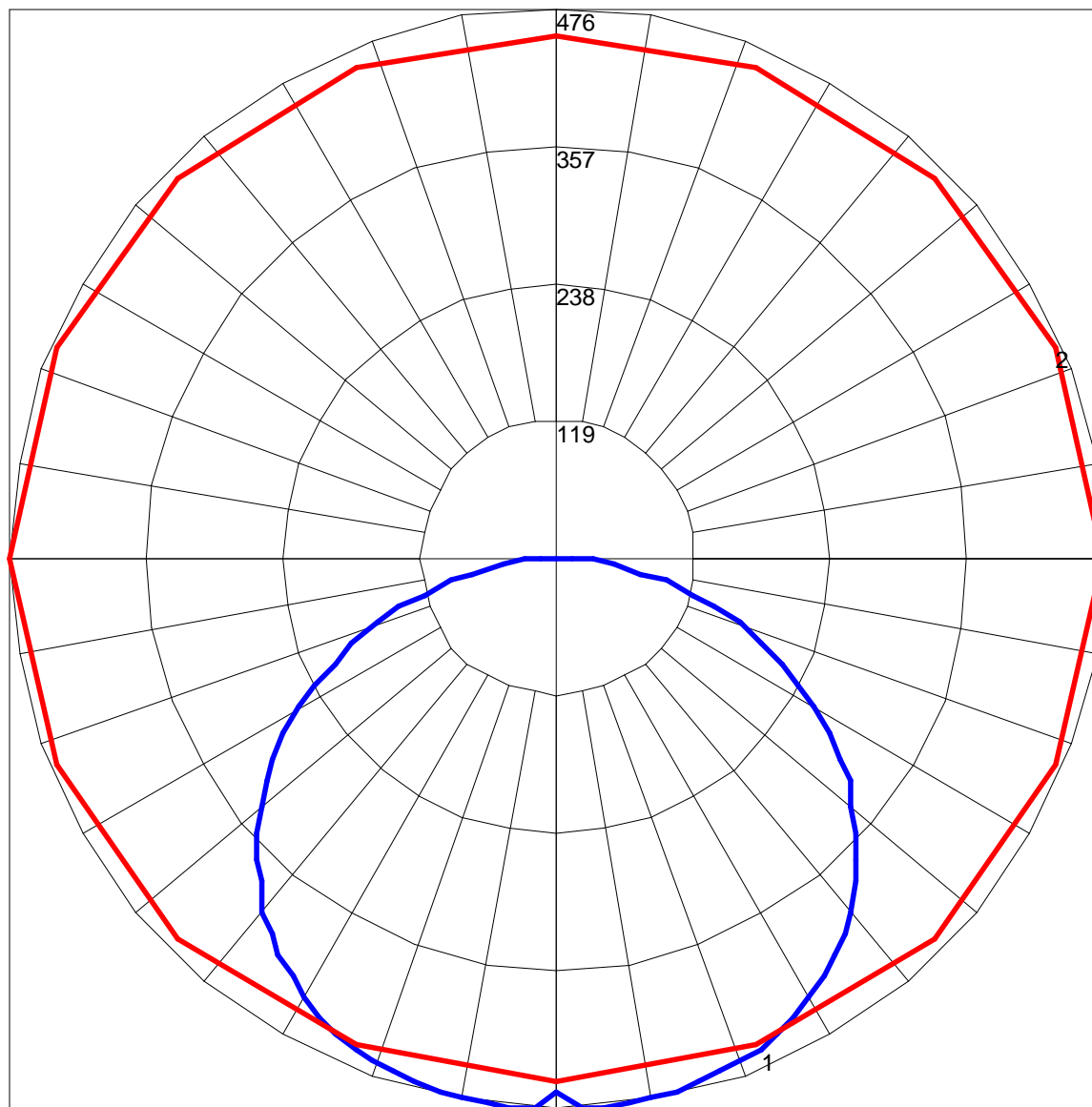
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	38	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 = 476 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.)