



IES INDOOR REPORT
PHOTOMETRIC FILENAME : S2-LED-15L-50.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-9859
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]03/30/2018
[TEST DATE]03/06/18
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]S2-LED-15L-50
[LAMP CATEGORY]60 NICHIA NF2W757GR-V1
[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	1617
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	143
Total Luminaire Watts	11.3
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.40
Spacing Criterion (90-270)	1.36
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	11862	11558	11376
55	11887	11512	11174
65	11552	10891	10687
75	10471	9640	9473
85	7156	7403	7403

IES INDOOR REPORT
PHOTOMETRIC FILENAME : S2-LED-15L-50.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	494	494	494	494	494
2.5	506	502	496	488	486
5.0	506	502	495	488	485
7.5	506	501	496	488	485
10.0	505	500	495	487	484
12.5	503	499	493	485	482
15.0	501	496	491	483	481
17.5	498	494	487	479	477
20.0	494	489	483	476	474
22.5	489	485	478	470	469
25.0	483	479	472	464	463
27.5	477	471	465	458	456
30.0	468	463	456	449	447
32.5	458	454	446	439	438
35.0	447	443	436	429	428
37.5	434	430	423	417	416
40.0	420	416	410	404	403
42.5	406	402	396	390	390
45.0	390	386	380	376	374
47.5	374	370	363	358	357
50.0	356	353	346	340	339
52.5	337	333	327	321	319
55.0	317	314	307	300	298
57.5	296	292	284	278	277
60.0	275	271	262	256	255
62.5	251	247	240	233	233
65.0	227	222	214	210	210
67.5	202	198	189	187	187
70.0	176	172	164	163	163
72.5	151	146	140	138	138
75.0	126	121	116	115	114
77.5	100	95	93	91	91
80.0	75	70	70	69	69
82.5	49	48	48	48	48
85.0	29	30	30	29	30
87.5	12	14	15	14	14
90.0	0	0	0	0	0

IES INDOOR REPORT
PHOTOMETRIC FILENAME : S2-LED-15L-50.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	185.84	N.A.	11.50
0-30	403.59	N.A.	25.00
0-40	676.34	N.A.	41.80
0-60	1243.91	N.A.	76.90
0-80	1582.3	N.A.	97.90
0-90	1616.81	N.A.	100.00
10-90	1569.57	N.A.	97.10
20-40	490.49	N.A.	30.30
20-50	784.13	N.A.	48.50
40-70	781.39	N.A.	48.30
60-80	338.39	N.A.	20.90
70-80	124.57	N.A.	7.70
80-90	34.52	N.A.	2.10
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	1616.81	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	47.24
10-20	138.60
20-30	217.75
30-40	272.74
40-50	293.64
50-60	273.94
60-70	213.81
70-80	124.57
80-90	34.52
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

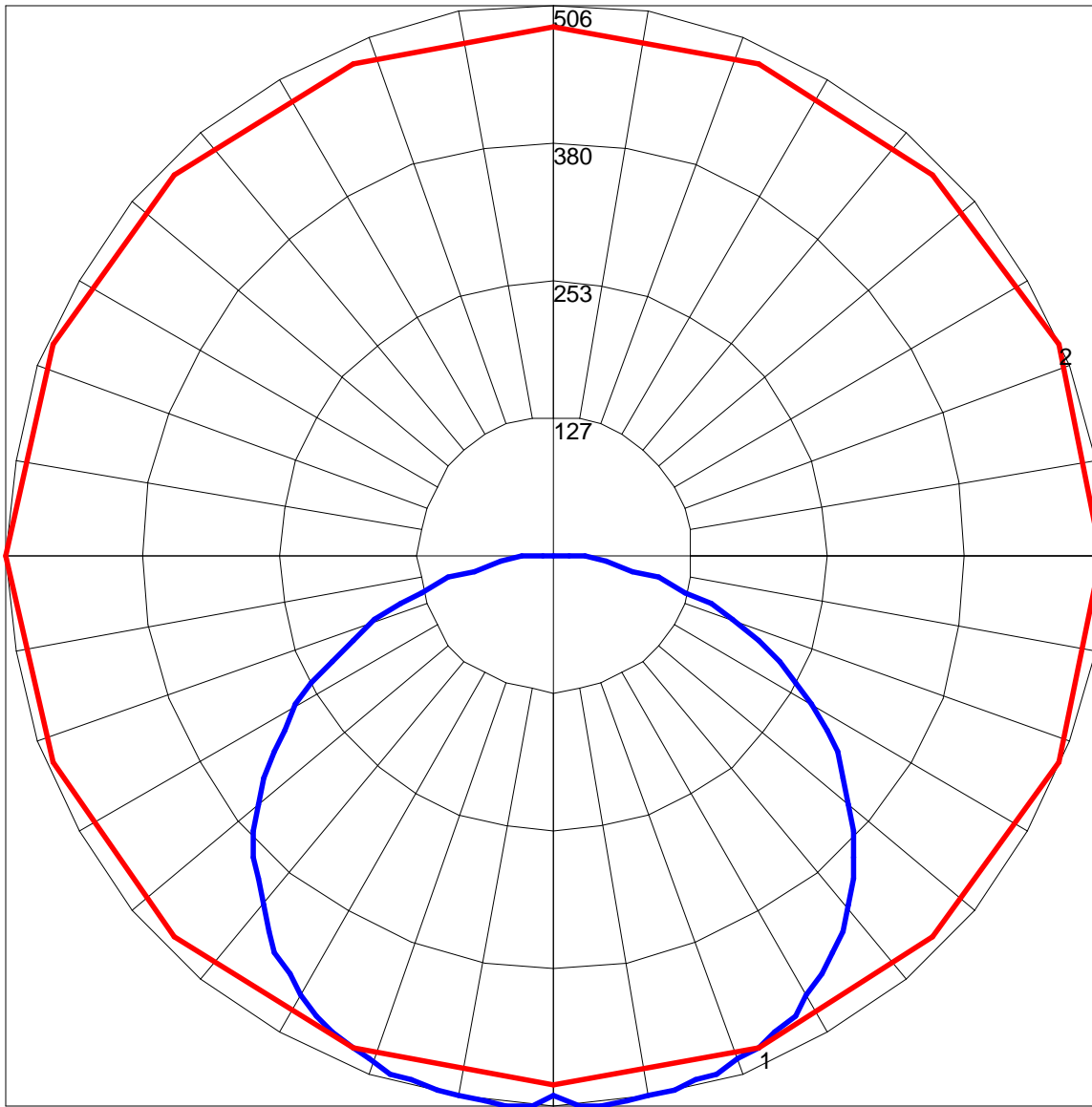
IES INDOOR REPORT
PHOTOMETRIC FILENAME : S2-LED-15L-50.IES

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	88	89	87	85	83
2	98	90	82	76	95	88	81	76	84	79	74	81	76	72	78	74	70	68
3	89	78	70	63	87	77	69	62	74	67	61	71	65	60	68	63	59	57
4	81	69	60	53	79	68	59	53	65	58	52	63	56	51	60	55	50	48
5	75	61	52	45	72	60	52	45	58	50	44	56	49	44	54	48	43	41
6	69	55	46	39	67	54	45	39	52	44	39	51	44	38	49	43	38	36
7	64	50	41	34	62	49	40	34	47	40	34	46	39	34	45	38	34	32
8	59	45	37	31	58	45	36	30	43	36	30	42	35	30	41	35	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	25	36	29	24	35	29	24	23

POLAR GRAPH



Maximum Candela = 506 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.)