



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : S2-LED-15L-30.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST]LED-9855  
[TESTLAB]LSI INDUSTRIES, INC  
[ISSUE DATE]03/30/2018  
[TEST DATE]03/05/18  
[MANUFACTURER]LSI INDUSTRIES, INC  
[LUMCAT]S2-LED-15L-30  
[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	1471
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	130
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	10798	10494	10342
55	10799	10499	10237
65	10433	9924	9720
75	9556	8642	8559
85	6663	6663	6416

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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>
<b>0.0</b>	451	451	451	451	451
<b>2.5</b>	462	458	452	446	443
<b>5.0</b>	463	458	453	446	443
<b>7.5</b>	462	457	452	445	442
<b>10.0</b>	461	456	451	445	442
<b>12.5</b>	460	454	449	443	441
<b>15.0</b>	457	453	447	441	438
<b>17.5</b>	455	450	444	438	436
<b>20.0</b>	451	446	441	434	432
<b>22.5</b>	446	442	436	429	427
<b>25.0</b>	441	436	430	424	421
<b>27.5</b>	434	430	423	417	415
<b>30.0</b>	426	422	415	409	407
<b>32.5</b>	418	413	406	400	399
<b>35.0</b>	407	402	396	391	390
<b>37.5</b>	394	390	385	380	378
<b>40.0</b>	382	378	372	368	367
<b>42.5</b>	369	365	359	355	354
<b>45.0</b>	355	351	345	341	340
<b>47.5</b>	339	336	330	326	326
<b>50.0</b>	323	320	314	310	309
<b>52.5</b>	306	303	298	293	291
<b>55.0</b>	288	285	280	274	273
<b>57.5</b>	269	265	260	255	254
<b>60.0</b>	249	245	240	234	233
<b>62.5</b>	227	224	217	212	212
<b>65.0</b>	205	202	195	191	191
<b>67.5</b>	183	181	173	169	169
<b>70.0</b>	160	158	149	147	147
<b>72.5</b>	138	134	127	125	125
<b>75.0</b>	115	109	104	103	103
<b>77.5</b>	90	85	83	82	82
<b>80.0</b>	67	63	63	63	63
<b>82.5</b>	46	43	44	43	44
<b>85.0</b>	27	27	27	25	26
<b>87.5</b>	12	12	13	12	12
<b>90.0</b>	0	0	0	0	0

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	169.57	N.A.	11.50
0-30	368.02	N.A.	25.00
0-40	616.16	N.A.	41.90
0-60	1132.65	N.A.	77.00
0-80	1439.64	N.A.	97.90
0-90	1470.69	N.A.	100.00
10-90	1427.57	N.A.	97.10
20-40	446.60	N.A.	30.40
20-50	713.44	N.A.	48.50
40-70	710.81	N.A.	48.30
60-80	306.99	N.A.	20.90
70-80	112.67	N.A.	7.70
80-90	31.05	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	1470.69	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	43.12
10-20	126.45
20-30	198.45
30-40	248.15
40-50	266.85
50-60	249.64
60-70	194.33
70-80	112.67
80-90	31.05
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

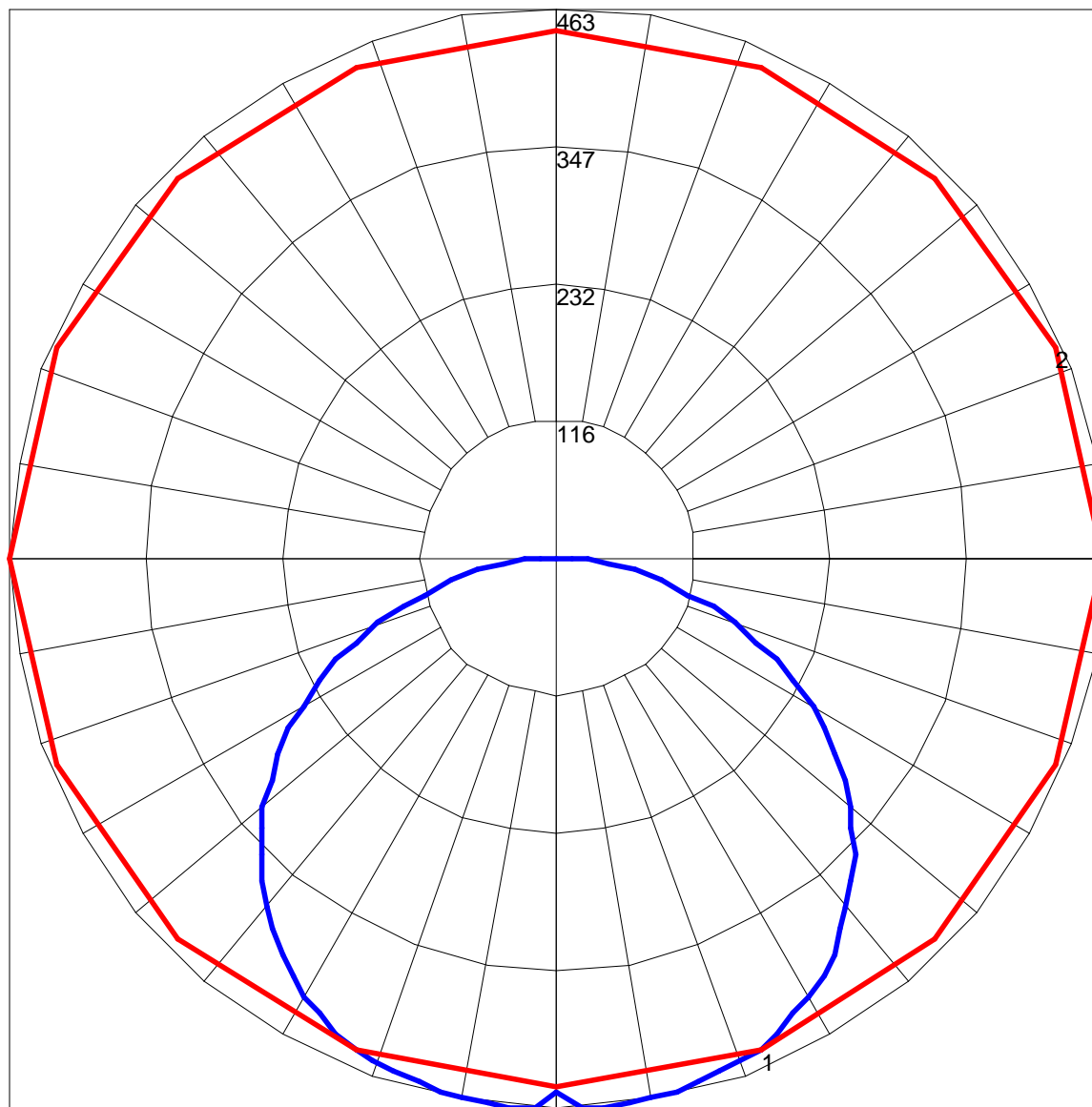
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	106	101	97	93	97	93	90	93	90	88	89	87	85	83
2	98	90	82	77	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	61	55	50	48
5	75	61	52	45	72	60	52	45	58	50	45	56	49	44	54	48	44	41
6	69	55	46	39	67	54	45	39	52	45	39	51	44	38	49	43	38	36
7	64	50	41	35	62	49	40	34	47	40	34	46	39	34	45	38	34	32
8	59	45	37	31	58	45	36	31	43	36	30	42	35	30	41	35	30	28
9	55	42	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	30	25	36	29	24	35	29	24	23

POLAR GRAPH



Maximum Candela = 463 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.)