



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : S2-LED-15L-35.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST]LED-9861  
[TESTLAB]LSI INDUSTRIES, INC  
[ISSUE DATE]03/30/2018  
[TEST DATE]03/06/18  
[MANUFACTURER]LSI INDUSTRIES, INC  
[LUMCAT]S2-LED-15L-35  
[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	1532
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	134
Total Luminaire Watts	11.4
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	11193	10919	10737
55	11249	10949	10687
65	10993	10382	10127
75	9972	9141	9141
85	7403	7403	6910

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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>	467	467	467	467	467
<b>2.5</b>	478	475	469	461	458
<b>5.0</b>	478	475	469	462	458
<b>7.5</b>	477	474	468	461	458
<b>10.0</b>	476	473	467	460	457
<b>12.5</b>	475	472	466	459	456
<b>15.0</b>	473	470	464	456	453
<b>17.5</b>	470	467	461	453	450
<b>20.0</b>	466	463	457	450	447
<b>22.5</b>	461	458	451	445	442
<b>25.0</b>	456	453	446	439	437
<b>27.5</b>	449	446	439	433	430
<b>30.0</b>	441	438	431	425	423
<b>32.5</b>	431	428	422	416	413
<b>35.0</b>	420	418	411	406	403
<b>37.5</b>	409	406	400	395	393
<b>40.0</b>	396	394	387	383	381
<b>42.5</b>	383	381	374	370	368
<b>45.0</b>	368	366	359	355	353
<b>47.5</b>	353	350	344	339	338
<b>50.0</b>	336	334	327	323	322
<b>52.5</b>	318	316	310	305	304
<b>55.0</b>	300	297	292	286	285
<b>57.5</b>	279	276	271	265	265
<b>60.0</b>	258	255	250	244	244
<b>62.5</b>	236	234	227	221	221
<b>65.0</b>	216	213	204	199	199
<b>67.5</b>	193	189	180	176	176
<b>70.0</b>	169	165	156	154	154
<b>72.5</b>	144	140	133	132	132
<b>75.0</b>	120	114	110	109	110
<b>77.5</b>	95	89	87	87	88
<b>80.0</b>	71	67	67	67	66
<b>82.5</b>	49	47	47	46	46
<b>85.0</b>	30	29	30	28	28
<b>87.5</b>	13	14	14	14	14
<b>90.0</b>	0	0	0	0	0

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	175.65	N.A.	11.50
0-30	381.40	N.A.	24.90
0-40	639.05	N.A.	41.70
0-60	1176.9	N.A.	76.80
0-80	1498.48	N.A.	97.80
0-90	1532.07	N.A.	100.00
10-90	1487.42	N.A.	97.10
20-40	463.40	N.A.	30.20
20-50	741.19	N.A.	48.40
40-70	740.88	N.A.	48.40
60-80	321.58	N.A.	21.00
70-80	118.56	N.A.	7.70
80-90	33.58	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	1532.07	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	44.64
10-20	131.01
20-30	205.75
30-40	257.65
40-50	277.79
50-60	260.06
60-70	203.02
70-80	118.56
80-90	33.58
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

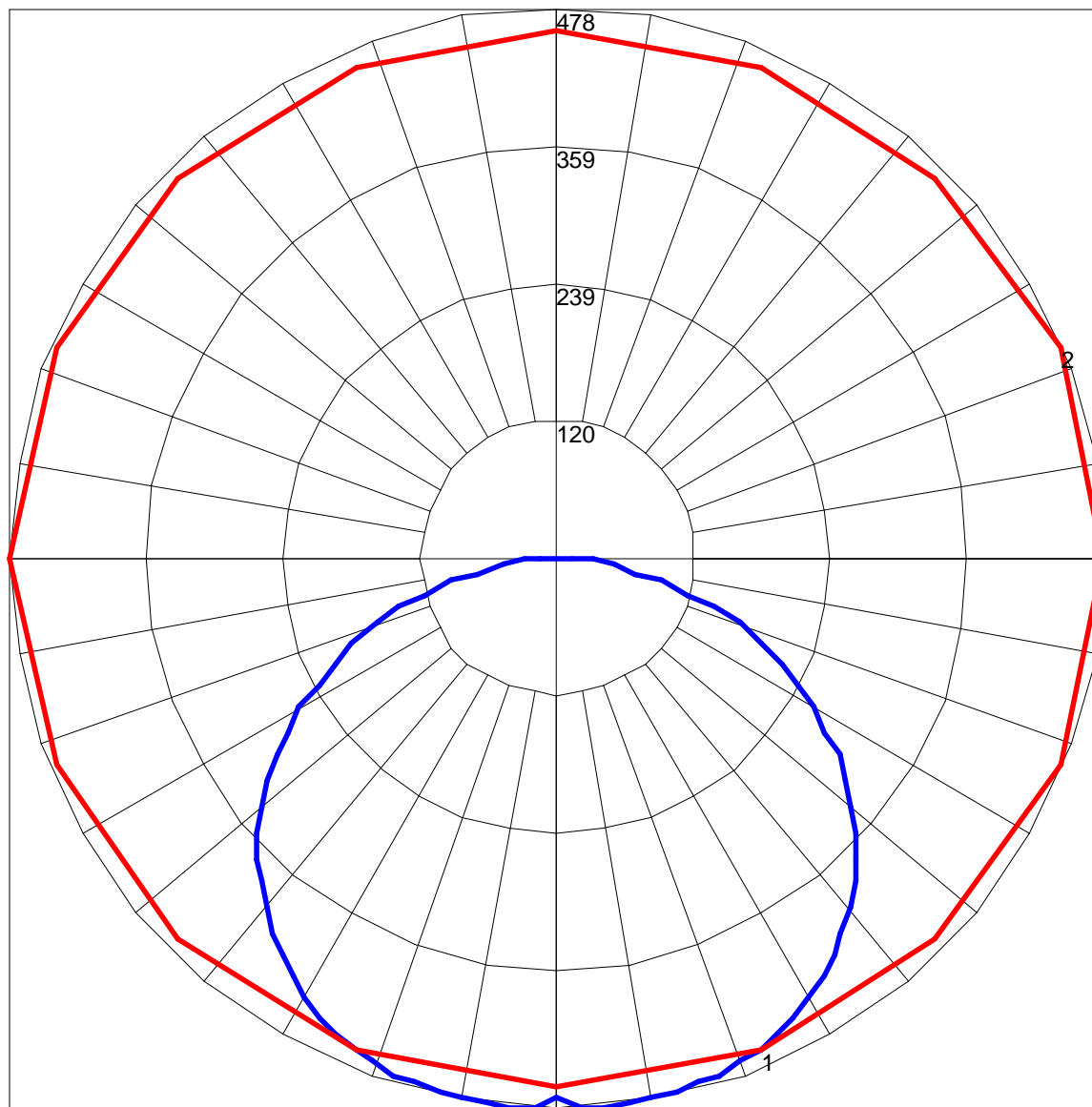
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	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	74	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	25	36	29	24	35	29	24	22

POLAR GRAPH



Maximum Candela = 478 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.)