



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : S8-LED-180L-30.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST]LED-9762\_scaled  
[TESTLAB]LSI INDUSTRIES, INC  
[ISSUE DATE]6/12/2018  
[TEST DATE]02/23/18  
[MANUFACTURER]LSI INDUSTRIES, INC  
[LUMCAT]S8-LED-180L-30  
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.  
[OTHER]TEST PROCEDURE: IESNA LM-79-08  
[OTHER]SCALED FROM ORIGINAL TEST DATA  
[SEARCH\_SOURCETYPE] LED  
[SEARCH\_APPLICATION] Indoor

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	17494
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	139
Total Luminaire Watts	126.3
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.38
Spacing Criterion (90-270)	1.36
Spacing Criterion (Diagonal)	1.48
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	8.00 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	31783	31406	31142
55	31769	31327	30955
65	30406	29806	29396
75	26781	26060	25751
85	18659	20341	20035

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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>	5372.166	5372.166	5372.166	5372.166	5372.166
<b>2.5</b>	5436.622	5384.562	5362.250	5364.729	5384.562
<b>5.0</b>	5441.581	5387.041	5367.208	5372.166	5389.520
<b>7.5</b>	5434.143	5382.083	5359.771	5369.687	5384.562
<b>10.0</b>	5421.748	5369.687	5347.375	5357.292	5369.687
<b>12.5</b>	5401.915	5347.375	5325.064	5334.980	5347.375
<b>15.0</b>	5372.166	5320.106	5297.794	5302.752	5315.147
<b>17.5</b>	5327.543	5282.919	5260.608	5263.087	5273.003
<b>20.0</b>	5275.482	5233.338	5213.505	5213.505	5223.421
<b>22.5</b>	5213.505	5173.840	5156.486	5154.007	5163.924
<b>25.0</b>	5141.612	5106.905	5089.551	5084.593	5094.509
<b>27.5</b>	5064.760	5025.095	5015.179	5002.783	5010.221
<b>30.0</b>	4968.076	4933.369	4923.453	4911.057	4916.016
<b>32.5</b>	4868.913	4834.206	4819.331	4801.978	4809.415
<b>35.0</b>	4754.875	4720.168	4705.294	4682.982	4697.857
<b>37.5</b>	4625.963	4596.214	4578.861	4556.549	4568.944
<b>40.0</b>	4487.135	4459.865	4442.511	4417.720	4420.200
<b>42.5</b>	4338.390	4311.120	4293.766	4259.059	4268.976
<b>45.0</b>	4179.729	4142.543	4130.147	4088.003	4095.440
<b>47.5</b>	4003.714	3969.007	3954.133	3904.551	3919.425
<b>50.0</b>	3815.304	3783.076	3760.764	3716.141	3728.536
<b>52.5</b>	3612.020	3577.312	3562.438	3512.856	3522.773
<b>55.0</b>	3388.902	3351.716	3341.800	3297.176	3302.135
<b>57.5</b>	3145.952	3128.599	3106.287	3071.580	3076.538
<b>60.0</b>	2903.003	2893.086	2855.900	2823.672	2831.109
<b>62.5</b>	2652.616	2645.178	2603.034	2573.285	2565.848
<b>65.0</b>	2389.833	2389.833	2342.731	2303.065	2310.503
<b>67.5</b>	2122.092	2122.092	2074.990	2037.804	2030.366
<b>70.0</b>	1849.394	1849.394	1794.854	1762.626	1762.626
<b>72.5</b>	1564.299	1564.299	1522.155	1502.322	1499.843
<b>75.0</b>	1289.122	1274.247	1254.414	1244.498	1239.540
<b>77.5</b>	1008.986	996.590	986.674	986.674	991.632
<b>80.0</b>	751.161	743.724	746.203	751.161	741.245
<b>82.5</b>	510.690	513.170	525.565	523.086	525.565
<b>85.0</b>	302.448	314.843	329.718	319.801	324.759
<b>87.5</b>	136.349	148.745	161.140	153.703	158.661
<b>90.0</b>	0.000	0.000	0.000	0.000	0.000

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	2016.32	N.A.	11.50
0-30	4368.91	N.A.	25.00
0-40	7315.55	N.A.	41.80
0-60	13471.91	N.A.	77.00
0-80	17122.22	N.A.	97.90
0-90	17493.74	N.A.	100.00
10-90	16980.33	N.A.	97.10
20-40	5299.23	N.A.	30.30
20-50	8479.69	N.A.	48.50
40-70	8473.28	N.A.	48.40
60-80	3650.3	N.A.	20.90
70-80	1333.39	N.A.	7.60
80-90	371.53	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	17493.74	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	513.41
10-20	1502.9
20-30	2352.6
30-40	2946.64
40-50	3180.46
50-60	2975.9
60-70	2316.91
70-80	1333.39
80-90	371.53
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

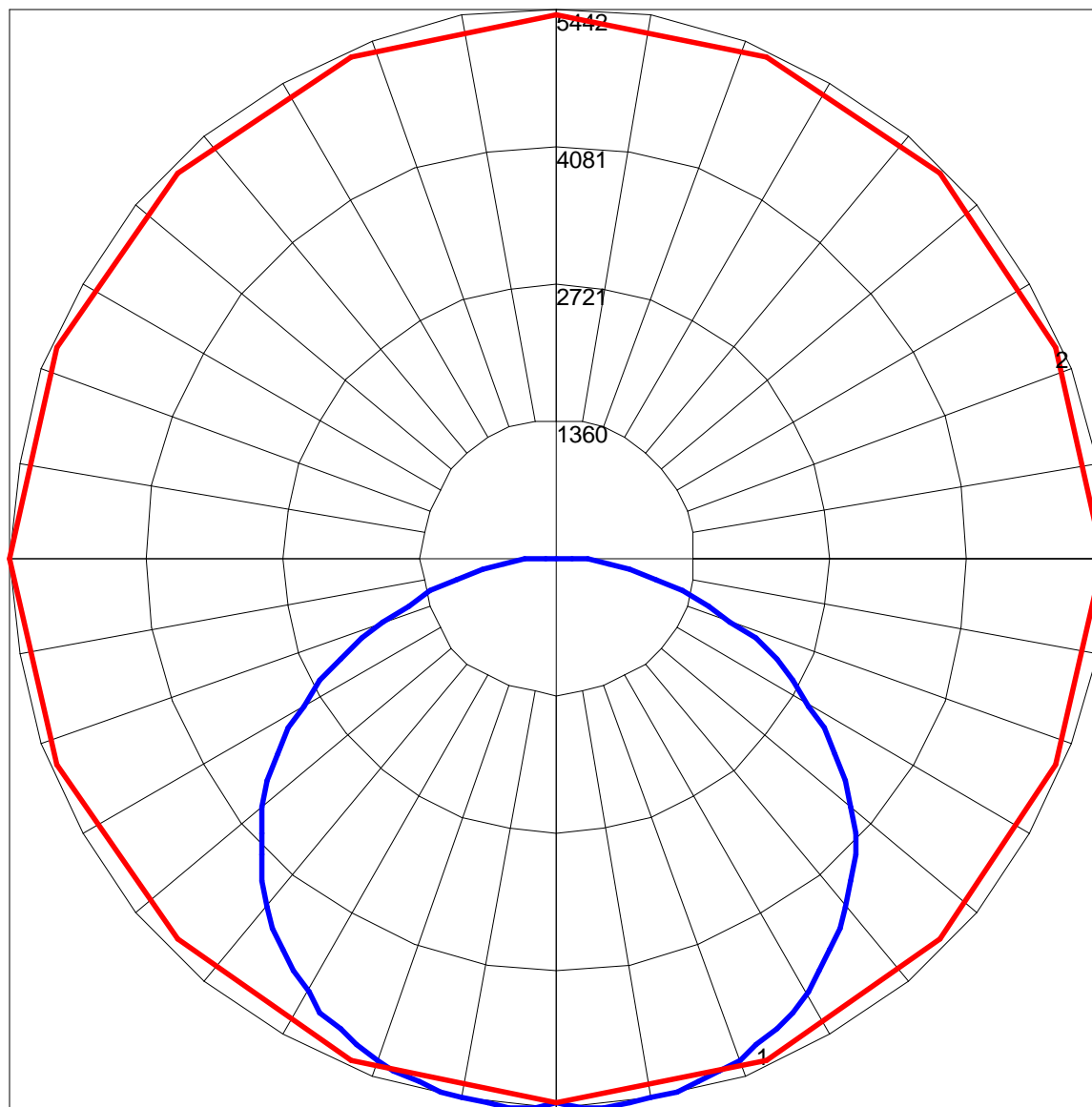
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	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	30	25	36	29	24	35	29	24	23

POLAR GRAPH



Maximum Candela = 5441.581 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.)