



IES INDOOR REPORT
PHOTOMETRIC FILENAME : S8-LED-80L-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
[LUMEN CATEGORY]S8-LED-80L-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	7818
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	143
Total Luminaire Watts	54.7
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	14204	14035	13917
55	14197	14000	13834
65	13588	13320	13137
75	11969	11646	11508
85	8339	9091	8954

IES INDOOR REPORT
PHOTOMETRIC FILENAME : S8-LED-80L-30.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	2400.819	2400.819	2400.819	2400.819	2400.819
2.5	2429.625	2406.359	2396.388	2397.496	2406.359
5.0	2431.841	2407.467	2398.604	2400.819	2408.575
7.5	2428.517	2405.251	2395.280	2399.711	2406.359
10.0	2422.977	2399.711	2389.740	2394.172	2399.711
12.5	2414.114	2389.740	2379.769	2384.201	2389.740
15.0	2400.819	2377.553	2367.582	2369.798	2375.338
17.5	2380.877	2360.935	2350.964	2352.072	2356.503
20.0	2357.611	2338.777	2329.914	2329.914	2334.345
22.5	2329.914	2312.187	2304.432	2303.324	2307.756
25.0	2297.785	2282.274	2274.519	2272.303	2276.735
27.5	2263.440	2245.713	2241.282	2235.742	2239.066
30.0	2220.232	2204.721	2200.289	2194.750	2196.966
32.5	2175.916	2160.405	2153.758	2146.002	2149.326
35.0	2124.952	2109.442	2102.794	2092.823	2099.471
37.5	2067.341	2054.047	2046.291	2036.320	2041.860
40.0	2005.299	1993.112	1985.357	1974.278	1975.386
42.5	1938.825	1926.638	1918.883	1903.372	1907.804
45.0	1867.919	1851.301	1845.761	1826.927	1830.251
47.5	1789.259	1773.748	1767.101	1744.943	1751.590
50.0	1705.058	1690.655	1680.684	1660.742	1666.282
52.5	1614.210	1598.700	1592.052	1569.894	1574.326
55.0	1514.499	1497.881	1493.449	1473.507	1475.723
57.5	1405.925	1398.170	1388.199	1372.688	1374.904
60.0	1297.351	1292.919	1276.301	1261.898	1265.222
62.5	1185.453	1182.129	1163.295	1150.000	1146.677
65.0	1068.016	1068.016	1046.966	1029.239	1032.563
67.5	948.362	948.362	927.312	910.694	907.370
70.0	826.493	826.493	802.120	787.717	787.717
72.5	699.085	699.085	680.251	671.387	670.280
75.0	576.108	569.461	560.597	556.166	553.950
77.5	450.915	445.376	440.944	440.944	443.160
80.0	335.694	332.370	333.478	335.694	331.262
82.5	228.227	229.335	234.875	233.767	234.875
85.0	135.164	140.703	147.351	142.919	145.135
87.5	60.935	66.474	72.014	68.690	70.906
90.0	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : S8-LED-80L-30.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	901.09	N.A.	11.50
0-30	1952.47	N.A.	25.00
0-40	3269.32	N.A.	41.80
0-60	6020.59	N.A.	77.00
0-80	7651.91	N.A.	97.90
0-90	7817.95	N.A.	100.00
10-90	7588.5	N.A.	97.10
20-40	2368.22	N.A.	30.30
20-50	3789.57	N.A.	48.50
40-70	3786.7	N.A.	48.40
60-80	1631.32	N.A.	20.90
70-80	595.89	N.A.	7.60
80-90	166.04	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	7817.95	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	229.44
10-20	671.65
20-30	1051.37
30-40	1316.85
40-50	1421.35
50-60	1329.93
60-70	1035.43
70-80	595.89
80-90	166.04
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

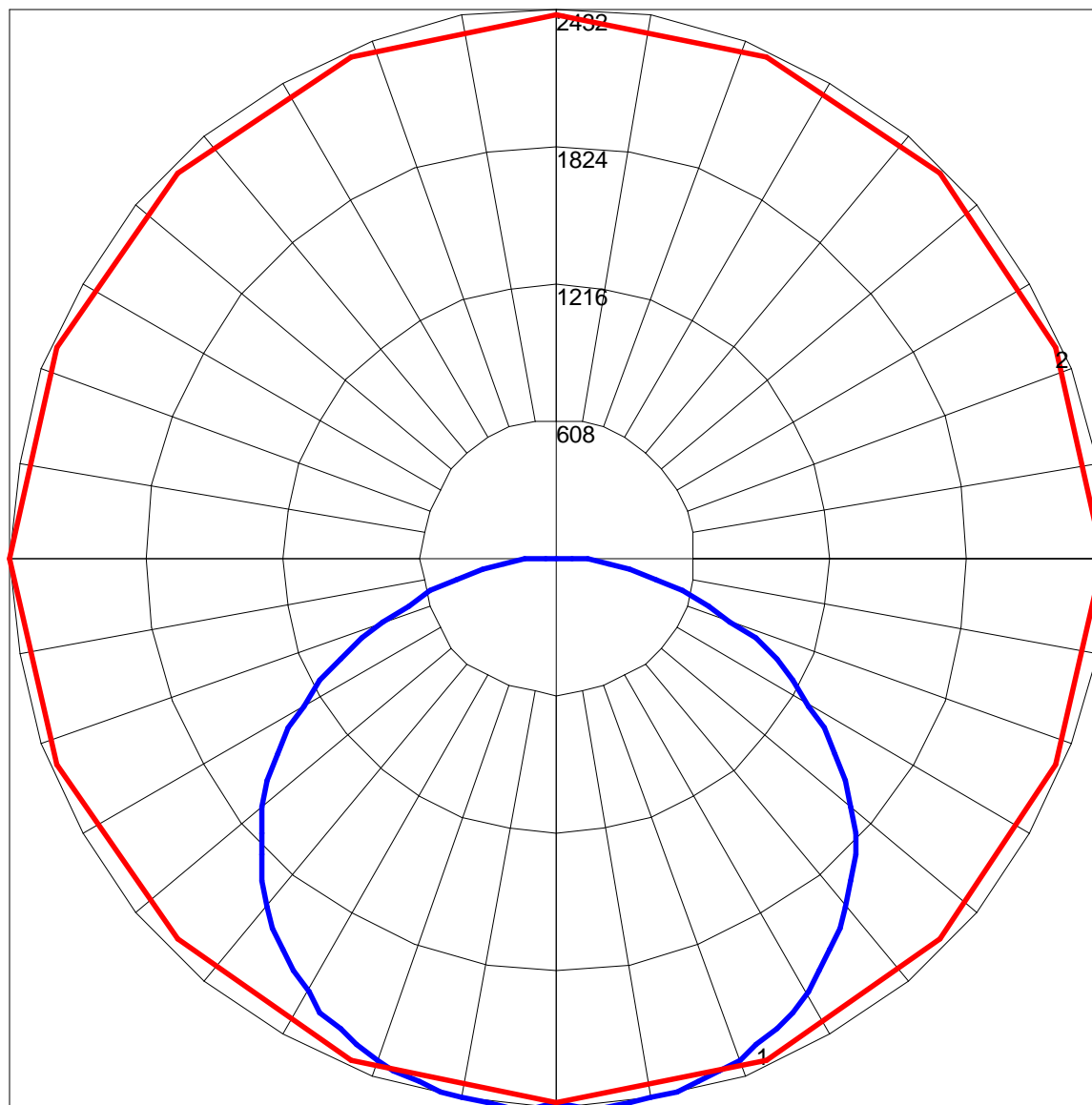
IES INDOOR REPORT
PHOTOMETRIC FILENAME : S8-LED-80L-30.IES

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	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 = 2431.841 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.)