



IES INDOOR REPORT
PHOTOMETRIC FILENAME : S4-LED-80L-30.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-9752_scaled
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]6/12/2018
[TEST DATE]02/22/18
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMCAT]S4-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	8080
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	145
Total Luminaire Watts	55.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.42
Spacing Criterion (90-270)	1.34
Spacing Criterion (Diagonal)	1.48
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 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	29960	28862	28191
55	30090	28811	27983
65	29199	27259	26647
75	25840	24173	23839
85	18317	19307	19307

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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>
0.0	2463.515	2463.515	2463.515	2463.515	2463.515
2.5	2539.748	2479.564	2459.503	2439.442	2419.381
5.0	2543.760	2483.577	2463.515	2443.454	2419.381
7.5	2535.736	2479.564	2455.491	2435.430	2411.356
10.0	2531.723	2475.552	2447.466	2431.417	2407.344
12.5	2527.711	2467.528	2443.454	2423.393	2399.319
15.0	2515.674	2459.503	2431.417	2411.356	2391.295
17.5	2495.613	2443.454	2415.368	2391.295	2371.234
20.0	2475.552	2419.381	2391.295	2367.222	2351.173
22.5	2447.466	2395.307	2367.222	2343.148	2327.099
25.0	2419.381	2371.234	2335.124	2315.062	2295.001
27.5	2387.283	2339.136	2303.026	2282.965	2262.903
30.0	2343.148	2299.013	2262.903	2238.830	2218.769
32.5	2295.001	2250.867	2210.744	2190.683	2170.622
35.0	2242.842	2194.695	2158.585	2138.524	2118.463
37.5	2182.659	2142.536	2102.414	2082.353	2058.279
40.0	2126.487	2078.340	2038.218	2018.157	2002.108
42.5	2050.255	2010.132	1970.010	1949.949	1933.900
45.0	1970.010	1933.900	1897.789	1873.716	1853.655
47.5	1885.753	1849.643	1817.545	1797.483	1777.422
50.0	1797.483	1761.373	1725.263	1709.214	1693.165
52.5	1701.190	1665.080	1632.982	1608.908	1600.884
55.0	1604.896	1568.786	1536.688	1508.602	1492.553
57.5	1500.578	1464.468	1428.357	1396.259	1384.223
60.0	1392.247	1352.125	1320.027	1287.929	1279.905
62.5	1271.880	1243.794	1191.635	1167.562	1163.550
65.0	1147.501	1115.403	1071.268	1047.195	1047.195
67.5	1019.109	995.036	954.913	934.852	930.840
70.0	886.705	858.619	830.534	814.485	806.460
72.5	754.301	734.240	710.166	698.130	694.118
75.0	621.897	597.824	581.775	573.750	573.750
77.5	497.518	473.444	469.432	457.395	461.408
80.0	377.151	357.089	357.089	345.053	349.065
82.5	256.783	244.747	248.759	240.734	240.734
85.0	148.453	152.465	156.477	148.453	156.477
87.5	60.184	68.208	76.233	72.220	72.220
90.0	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	924.17	N.A.	11.40
0-30	2006.11	N.A.	24.80
0-40	3363.69	N.A.	41.60
0-60	6206.33	N.A.	76.80
0-80	7903.9	N.A.	97.80
0-90	8079.83	N.A.	100.00
10-90	7844.8	N.A.	97.10
20-40	2439.52	N.A.	30.20
20-50	3907.94	N.A.	48.40
40-70	3915.01	N.A.	48.50
60-80	1697.56	N.A.	21.00
70-80	625.19	N.A.	7.70
80-90	175.94	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	8079.83	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	235.03
10-20	689.14
20-30	1081.94
30-40	1357.58
40-50	1468.41
50-60	1374.23
60-70	1072.37
70-80	625.19
80-90	175.94
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

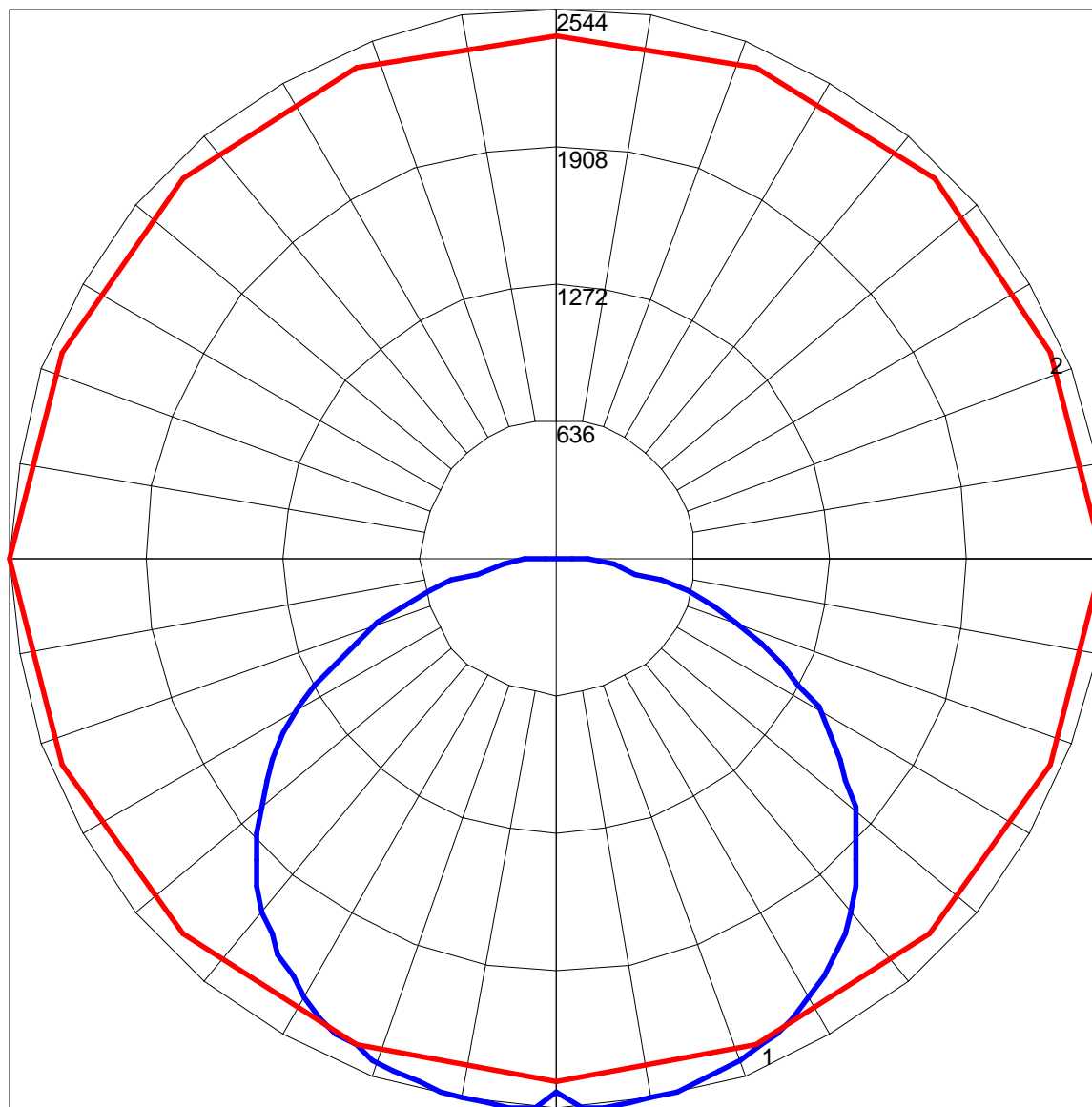
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	73	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	36	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	37	31	27	25
10	52	38	30	25	50	38	30	25	37	29	24	36	29	24	35	29	24	22

POLAR GRAPH



Maximum Candela = 2543.76 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.)