



IES INDOOR REPORT
PHOTOMETRIC FILENAME : S4-LED-60L-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-60L-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	6104
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	150
Total Luminaire Watts	40.8
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	22633	21803	21296
55	22730	21764	21139
65	22057	20592	20129
75	19520	18260	18008
85	13837	14585	14585

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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	1860.979	1860.979	1860.979	1860.979	1860.979
2.5	1918.566	1873.102	1857.948	1842.793	1827.639
5.0	1921.597	1876.133	1860.979	1845.824	1827.639
7.5	1915.535	1873.102	1854.917	1839.762	1821.577
10.0	1912.504	1870.071	1848.855	1836.731	1818.546
12.5	1909.473	1864.010	1845.824	1830.670	1812.484
15.0	1900.381	1857.948	1836.731	1821.577	1806.422
17.5	1885.226	1845.824	1824.608	1806.422	1791.268
20.0	1870.071	1827.639	1806.422	1788.237	1776.113
22.5	1848.855	1809.453	1788.237	1770.051	1757.928
25.0	1827.639	1791.268	1763.990	1748.835	1733.681
27.5	1803.391	1767.021	1739.742	1724.588	1709.433
30.0	1770.051	1736.711	1709.433	1691.248	1676.093
32.5	1733.681	1700.341	1670.031	1654.877	1639.722
35.0	1694.279	1657.908	1630.630	1615.475	1600.320
37.5	1648.815	1618.506	1588.197	1573.042	1554.857
40.0	1606.382	1570.011	1539.702	1524.548	1512.424
42.5	1548.795	1518.486	1488.177	1473.022	1460.899
45.0	1488.177	1460.899	1433.620	1415.435	1400.280
47.5	1424.528	1397.250	1373.002	1357.848	1342.693
50.0	1357.848	1330.569	1303.291	1291.168	1279.044
52.5	1285.106	1257.828	1233.580	1215.395	1209.333
55.0	1212.364	1185.086	1160.839	1139.622	1127.499
57.5	1133.560	1106.282	1079.004	1054.757	1045.664
60.0	1051.726	1021.417	997.169	972.922	966.860
62.5	960.798	939.582	900.180	881.995	878.964
65.0	866.840	842.593	809.253	791.068	791.068
67.5	769.851	751.666	721.357	706.202	703.171
70.0	669.831	648.615	627.398	615.275	609.213
72.5	569.811	554.657	536.471	527.378	524.347
75.0	469.791	451.606	439.482	433.420	433.420
77.5	375.833	357.647	354.616	345.524	348.555
80.0	284.906	269.751	269.751	260.658	263.689
82.5	193.978	184.886	187.916	181.855	181.855
85.0	112.144	115.175	118.205	112.144	118.205
87.5	45.464	51.525	57.587	54.556	54.556
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	698.13	N.A.	11.40
0-30	1515.45	N.A.	24.80
0-40	2540.99	N.A.	41.60
0-60	4688.36	N.A.	76.80
0-80	5970.73	N.A.	97.80
0-90	6103.63	N.A.	100.00
10-90	5926.09	N.A.	97.10
20-40	1842.86	N.A.	30.20
20-50	2952.12	N.A.	48.40
40-70	2957.46	N.A.	48.50
60-80	1282.37	N.A.	21.00
70-80	472.28	N.A.	7.70
80-90	132.91	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	6103.63	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	177.55
10-20	520.59
20-30	817.32
30-40	1025.54
40-50	1109.26
50-60	1038.11
60-70	810.09
70-80	472.28
80-90	132.91
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

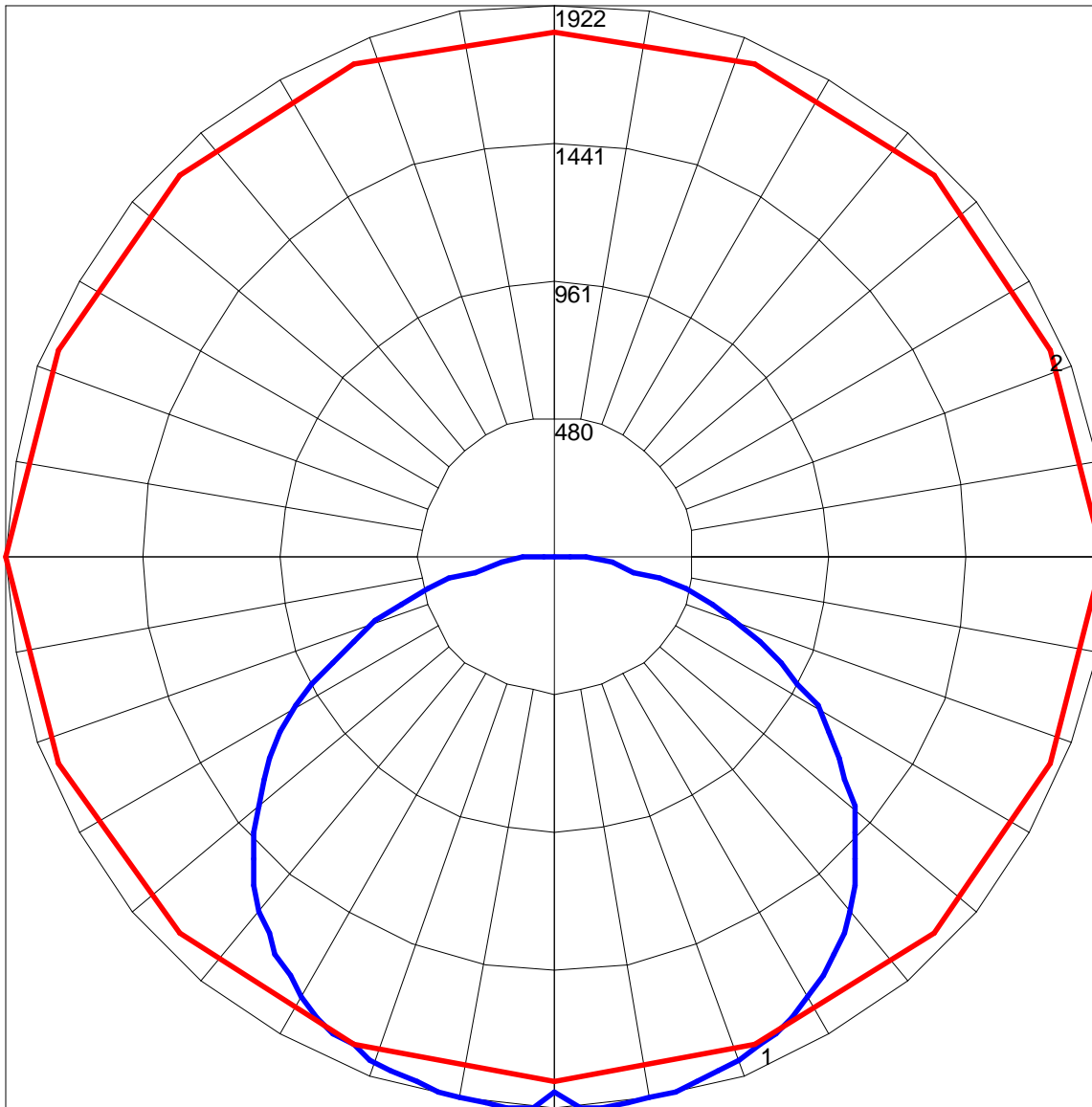
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1921.597 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.)