



IES INDOOR REPORT
PHOTOMETRIC FILENAME : S4-LED-60L-35.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
[LUMEN CATEGORY]S4-LED-60L-35
[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	5956
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	146
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	22084	21274	20779
55	22179	21236	20627
65	21522	20093	19641
75	19046	17817	17572
85	13501	14231	14231

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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	1815.850	1815.850	1815.850	1815.850	1815.850
2.5	1872.041	1827.679	1812.892	1798.105	1783.318
5.0	1874.998	1830.637	1815.850	1801.063	1783.318
7.5	1869.083	1827.679	1809.935	1795.148	1777.403
10.0	1866.126	1824.722	1804.020	1792.191	1774.446
12.5	1863.168	1818.807	1801.063	1786.276	1768.531
15.0	1854.296	1812.892	1792.191	1777.403	1762.616
17.5	1839.509	1801.063	1780.361	1762.616	1747.829
20.0	1824.722	1783.318	1762.616	1744.872	1733.042
22.5	1804.020	1765.574	1744.872	1727.127	1715.298
25.0	1783.318	1747.829	1721.213	1706.426	1691.639
27.5	1759.659	1724.170	1697.553	1682.766	1667.979
30.0	1727.127	1694.596	1667.979	1650.235	1635.448
32.5	1691.639	1659.107	1629.533	1614.746	1599.959
35.0	1653.192	1617.703	1591.087	1576.300	1561.513
37.5	1608.831	1579.257	1549.683	1534.896	1517.151
40.0	1567.427	1531.938	1502.364	1487.577	1475.748
42.5	1511.237	1481.662	1452.088	1437.301	1425.472
45.0	1452.088	1425.472	1398.855	1381.111	1366.323
47.5	1389.983	1363.366	1339.707	1324.920	1310.133
50.0	1324.920	1298.303	1271.686	1259.857	1248.027
52.5	1253.942	1227.325	1203.666	1185.921	1180.007
55.0	1182.964	1156.347	1132.688	1111.986	1100.157
57.5	1106.071	1079.455	1052.838	1029.179	1020.306
60.0	1026.221	996.647	972.988	949.329	943.414
62.5	937.499	916.797	878.351	860.606	857.649
65.0	845.819	822.160	789.628	771.884	771.884
67.5	751.182	733.438	703.864	689.077	686.119
70.0	653.588	632.886	612.184	600.354	594.439
72.5	555.993	541.206	523.462	514.589	511.632
75.0	458.399	440.654	428.824	422.910	422.910
77.5	366.719	348.974	346.017	337.145	340.102
80.0	277.997	263.209	263.209	254.337	257.295
82.5	189.274	180.402	183.359	177.445	177.445
85.0	109.424	112.382	115.339	109.424	115.339
87.5	44.361	50.276	56.191	53.233	53.233
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	681.20	N.A.	11.40
0-30	1478.7	N.A.	24.80
0-40	2479.37	N.A.	41.60
0-60	4574.67	N.A.	76.80
0-80	5825.94	N.A.	97.80
0-90	5955.62	N.A.	100.00
10-90	5782.38	N.A.	97.10
20-40	1798.17	N.A.	30.20
20-50	2880.53	N.A.	48.40
40-70	2885.74	N.A.	48.50
60-80	1251.27	N.A.	21.00
70-80	460.82	N.A.	7.70
80-90	129.68	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	5955.62	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	173.24
10-20	507.96
20-30	797.50
30-40	1000.67
40-50	1082.36
50-60	1012.94
60-70	790.44
70-80	460.83
80-90	129.68
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

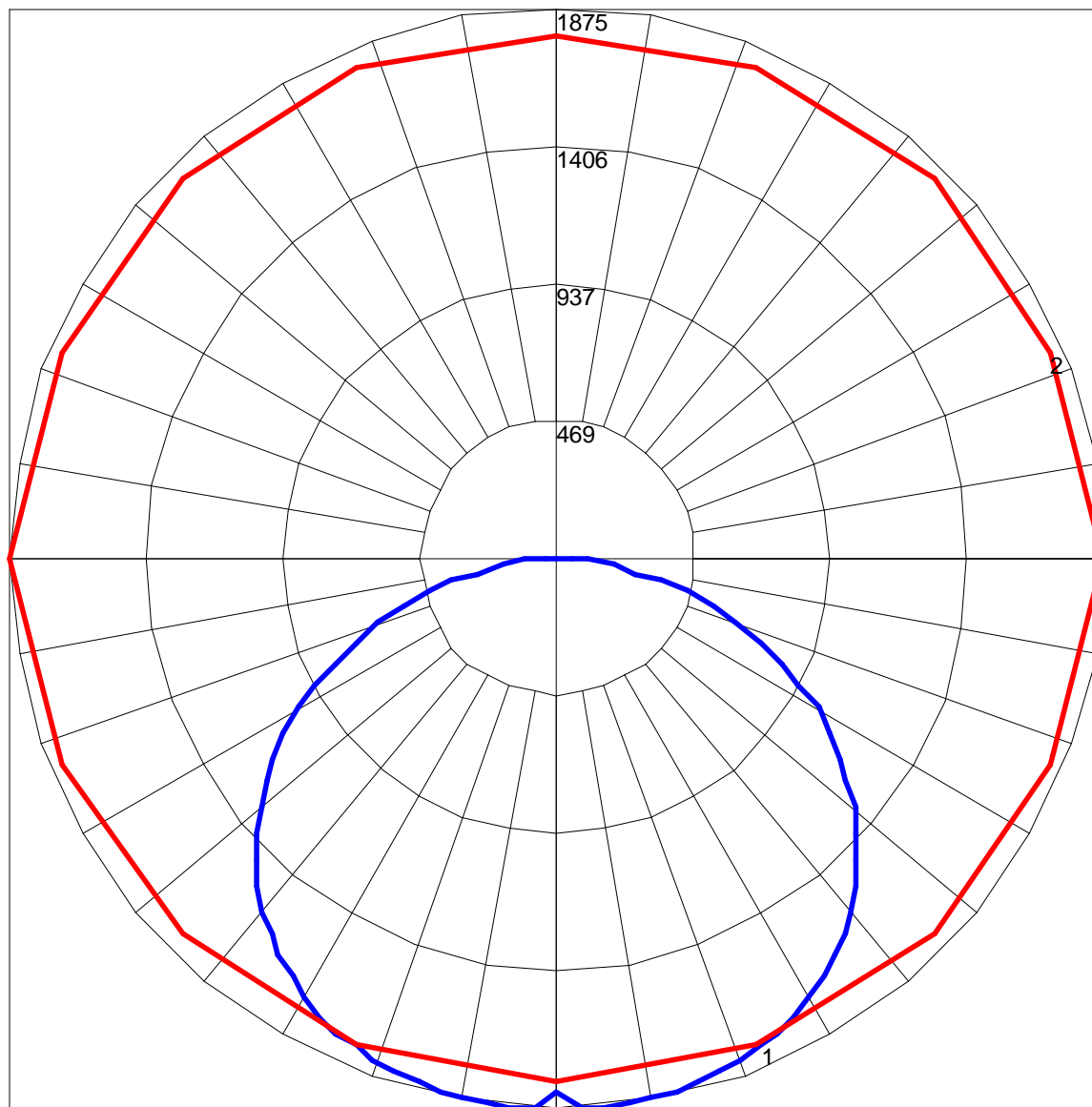
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1874.998 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.)