



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : GA14-LED-SS-NW-P12.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST]LED-4676A  
[TESTLAB]LSI INDUSTRIES, INC  
[ISSUE DATE]2/29/16  
[TEST DATE]11/09/13  
[MANUFACTURER]LSI INDUSTRIES, INC  
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.  
[OTHER]SCALED FROM ORIGINAL TEST DATA  
[OTHER]TEST PROCEDURE: IESNA LM-79-08  
[SEARCH\_SOURCETYPE] LED  
[SEARCH\_APPLICATION] Indoor  
[LUMCAT]GA14-LED-SS-NW-P12

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3213
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	111
Total Luminaire Watts	29
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.30
Spacing Criterion (90-270)	1.24
Spacing Criterion (Diagonal)	1.32
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	1.00 ft
Luminous Height	0.00 ft

**LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3281	3034	2580
55	2594	2148	1707
65	1919	1446	1358
75	1530	1169	1506
85	2040	1825	2362

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : GA14-LED-SS-NW-P12.IES**

**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>	1368.80	1368.80	1368.80	1368.80	1368.80
<b>2.5</b>	1405.92	1382.72	1367.64	1353.72	1342.12
<b>5.0</b>	1403.60	1380.40	1366.48	1351.40	1338.64
<b>7.5</b>	1398.96	1376.92	1360.68	1346.76	1335.16
<b>10.0</b>	1390.84	1368.80	1352.56	1337.48	1325.88
<b>12.5</b>	1380.40	1359.52	1342.12	1325.88	1316.60
<b>15.0</b>	1367.64	1346.76	1329.36	1313.12	1299.20
<b>17.5</b>	1350.24	1330.52	1311.96	1294.56	1282.96
<b>20.0</b>	1331.68	1309.64	1291.08	1273.68	1262.08
<b>22.5</b>	1307.32	1286.44	1266.72	1249.32	1237.72
<b>25.0</b>	1279.48	1258.60	1237.72	1222.64	1209.88
<b>27.5</b>	1245.84	1224.96	1206.40	1189.00	1176.24
<b>30.0</b>	1208.72	1186.68	1168.12	1149.56	1139.12
<b>32.5</b>	1162.32	1143.76	1122.88	1106.64	1091.56
<b>35.0</b>	1111.28	1095.04	1073.00	1048.64	1030.08
<b>37.5</b>	1057.92	1041.68	1011.52	969.76	951.20
<b>40.0</b>	998.76	977.88	943.08	893.20	868.84
<b>42.5</b>	933.80	909.44	871.16	813.16	780.68
<b>45.0</b>	863.04	835.20	798.08	723.84	678.60
<b>47.5</b>	784.16	763.28	720.36	619.44	569.56
<b>50.0</b>	706.44	690.20	632.20	522.00	479.08
<b>52.5</b>	629.88	615.96	540.56	443.12	415.28
<b>55.0</b>	553.32	538.24	458.20	383.96	364.24
<b>57.5</b>	484.88	460.52	386.28	334.08	319.00
<b>60.0</b>	419.92	386.28	325.96	290.00	279.56
<b>62.5</b>	359.60	319.00	273.76	254.04	244.76
<b>65.0</b>	301.60	265.64	227.36	222.72	213.44
<b>67.5</b>	252.88	221.56	186.76	197.20	189.08
<b>70.0</b>	212.28	189.08	153.12	176.32	170.52
<b>72.5</b>	175.16	160.08	128.76	160.08	156.60
<b>75.0</b>	147.32	136.88	112.52	143.84	145.00
<b>77.5</b>	124.12	117.16	100.92	126.44	133.40
<b>80.0</b>	106.72	97.44	90.48	109.04	119.48
<b>82.5</b>	88.16	77.72	78.88	92.80	99.76
<b>85.0</b>	66.12	58.00	59.16	74.24	76.56
<b>87.5</b>	39.44	38.28	37.12	49.88	46.40
<b>90.0</b>	0.00	0.00	0.00	0.00	0.00

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : GA14-LED-SS-NW-P12.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	505.65	N.A.	15.70
0-30	1076.64	N.A.	33.50
0-40	1742.34	N.A.	54.20
0-60	2756.32	N.A.	85.80
0-80	3146.55	N.A.	97.90
0-90	3213.21	N.A.	100.00
10-90	3083.09	N.A.	96.00
20-40	1236.69	N.A.	38.50
20-50	1835.88	N.A.	57.10
40-70	1259.85	N.A.	39.20
60-80	390.22	N.A.	12.10
70-80	144.35	N.A.	4.50
80-90	66.66	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	3213.21	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	130.12
10-20	375.53
20-30	570.99
30-40	665.71
40-50	599.19
50-60	414.79
60-70	245.87
70-80	144.35
80-90	66.66
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

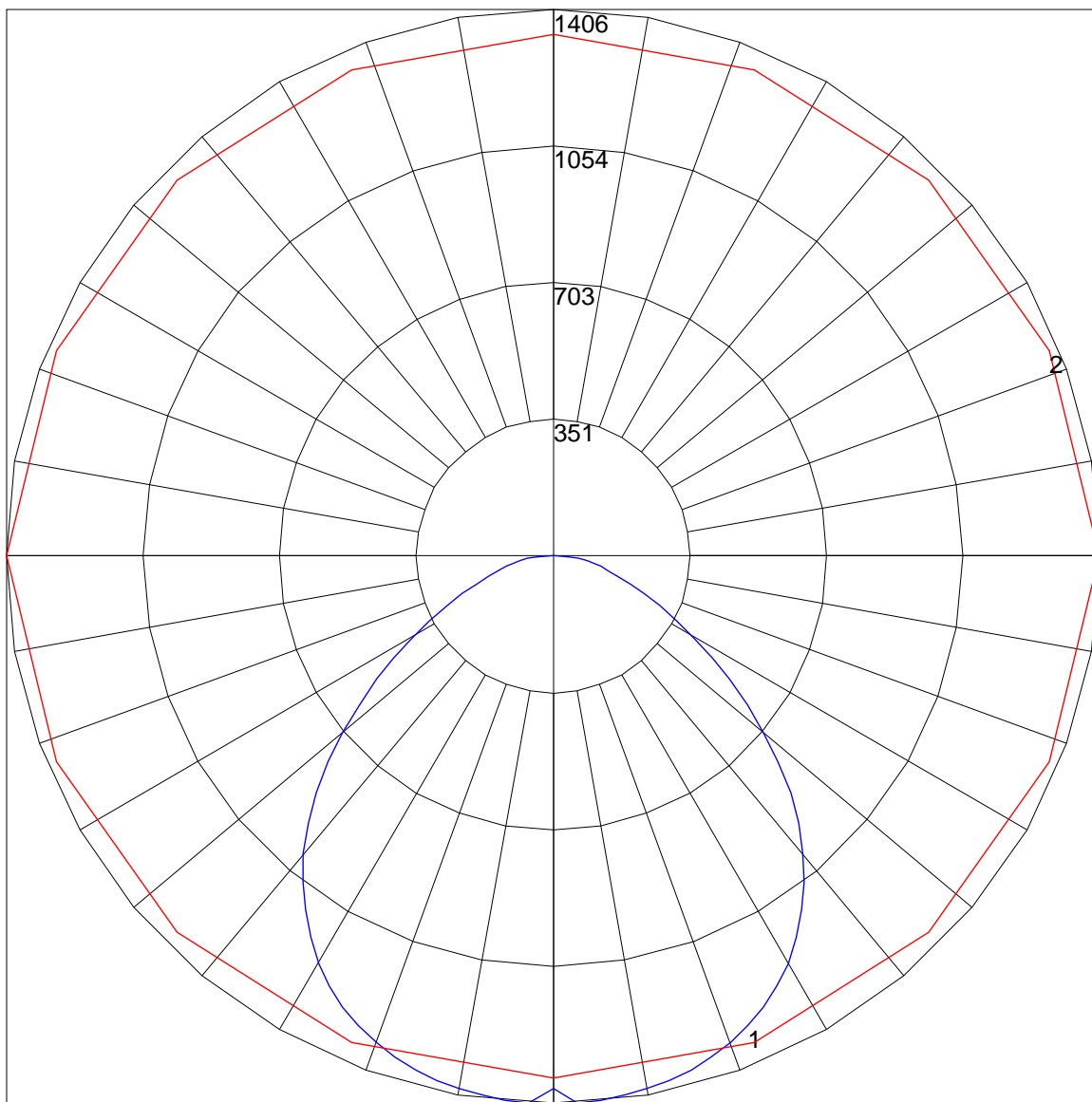
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : GA14-LED-SS-NW-P12.IES**

**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	110	105	101	98	107	103	100	96	99	96	93	95	93	90	91	90	88	86
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	76	74
3	93	83	76	70	90	82	75	69	79	73	68	76	71	67	73	69	66	64
4	86	74	66	60	83	73	66	60	71	64	59	68	63	58	66	61	57	55
5	79	67	59	53	77	66	58	52	64	57	52	62	56	51	60	55	51	49
6	73	61	53	47	72	60	52	46	58	51	46	57	50	46	55	50	45	43
7	68	56	47	41	67	55	47	41	53	46	41	52	46	41	51	45	41	39
8	64	51	43	37	62	50	43	37	49	42	37	48	41	37	47	41	37	35
9	60	47	39	34	58	46	39	34	45	38	34	44	38	33	43	37	33	31
10	56	43	36	31	55	43	36	31	42	35	31	41	35	30	40	34	30	29

POLAR GRAPH



Maximum Candela = 1405.92 Located At Horizontal Angle = 0, Vertical Angle = 2.5

# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)

# 2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)