



**UL Verification Services**  
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## Photometric Indoor Test Report

Relevant Standards  
IES LM-79-2008  
ANSI C82.77-2002

Prepared For  
**Maxlite SK America, Inc**  
Ken Charton  
12 York Ave  
West Caldwell, NJ 07006-6411

Catalog Number  
**SKG0903LED27**  
Project Number  
**10053543**  
Test Number  
**293067**

Test Date

2013-08-20

Prepared By

A handwritten signature in black ink, appearing to read 'Jeff A. Smith Jr.'.

Jeff Smith Jr., Project Coordinator

Approved By

A handwritten signature in black ink, appearing to read 'Zachary Mooney'.

Zachary Mooney, Engineering Associate

The results contained in this report pertain only to the tested sample.  
This report shall not be reproduced, except in full, without written approval of Underwriters Laboratories.



Lamp Description: Plastic housing, clear plastic enclosure  
Catalog Number: SKG0903LED27  
Lamp: One 3 watt G9 LED lamp  
Mounting: VBU

Lamp

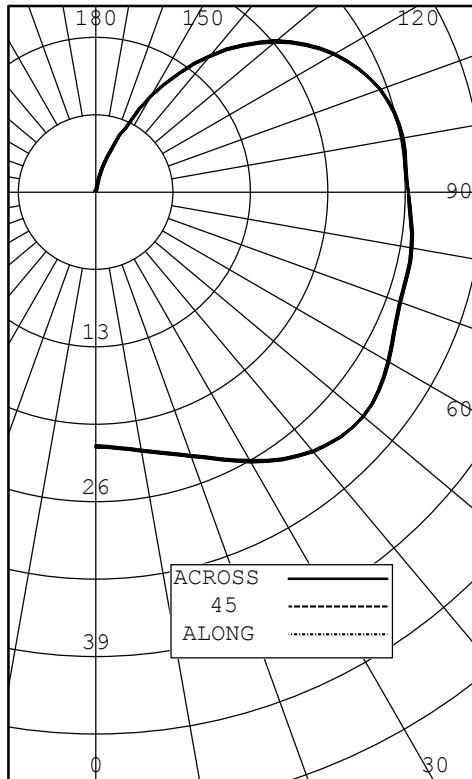


**Test Conditions**

Test Temperature:	24.1 °C
Voltage:	120.0 VAC
Current:	0.04247 A
Power:	3.020 W
Power Factor:	0.594
Frequency:	60 Hz
Current THD:	72.3 %



INTENSITY (CANDLEPOWER) SUMMARY



ANGLE	MEAN CP	LMS.	ANGLE	MEAN CP	LMS.
0	21		90	26	
5	22	2	95	26	29
10	22		100	26	
15	23	6	105	26	27
20	24		110	25	
25	25	12	115	24	24
30	26		120	23	
35	27	17	125	22	19
40	28		130	20	
45	29	22	135	17	14
50	29		140	15	
55	29	26	145	12	8
60	28		150	9	
65	28	27	155	6	3
70	27		160	4	
75	27	29	165	2	1
80	27		170	0	
85	27	29	175	0	0
90	26		180	0	

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LUMINAIRE
0-30	20	6.81
0-40	37	12.63
0-60	86	29.03
0-90	171	57.84
40-90	133	45.21
60-90	85	28.81
90-180	124	42.16
0-180	295	100.00

EFFICACY (LUMENS PER WATT): 98.4

\*\*\* THIS IS AN ABSOLUTE TEST \*\*\*

LUMINOUS LENGTH: 0.750 INS  
 WIDTH: 0.000 INS

LUMINANCE SUMMARY CD./SQ.M.

S/MH: 1.9  
 SC: 1.9

ANGLE	MEAN CD/SQ M
45	170603
55	146951
65	126525
75	116246
85	110579

TESTED IN ACCORDANCE WITH IES PROCEDURES.



INTENSITY (CANDLEPOWER) DATA

ANGLE	INTENSITY (CANDLEPOWER)	LUMENS
0	21	
5	22	2
10	22	
15	23	6
20	24	
25	25	12
30	26	
35	27	17
40	28	
45	29	22
50	29	
55	29	26
60	28	
65	28	27
70	27	
75	27	29
80	27	
85	27	29
90	26	
95	26	29
100	26	
105	26	27
110	25	
115	24	24
120	23	
125	22	19
130	20	
135	17	14
140	15	
145	12	8
150	9	
155	6	3
160	4	
165	2	1
170	0	
175	0	0
180	0	



COEFFICIENTS OF UTILIZATION

ZONAL CAVITY METHOD

EFFECTIVE FLOOR CAVITY REFLECTANCE = .20

CC WALL	90				80				70				50				30				10				0	
	70	50	30	10	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR	0	1.161	1.161	1.161	1.16	1.091	0.991	0.991	0.991	0.9	1.021	0.921	0.921	0.921	0.8	0.880	0.880	0.88	0.750	0.750	0.75	0.630	0.630	0.63	0.58	
	1	1.020	0.950	0.890	0.84	0.950	0.890	0.830	0.78	0.880	0.820	0.770	0.72	0.700	0.660	0.63	0.590	0.560	0.53	0.490	0.470	0.45	0.40			
	2	0.910	0.810	0.720	0.64	0.850	0.750	0.670	0.60	0.780	0.690	0.620	0.56	0.590	0.530	0.48	0.490	0.450	0.41	0.410	0.370	0.34	0.30			
	3	0.820	0.690	0.590	0.51	0.760	0.640	0.550	0.48	0.700	0.600	0.510	0.45	0.510	0.440	0.39	0.420	0.370	0.33	0.340	0.300	0.27	0.23			
	4	0.750	0.610	0.500	0.42	0.690	0.560	0.470	0.40	0.640	0.520	0.440	0.37	0.440	0.370	0.32	0.370	0.320	0.27	0.300	0.260	0.23	0.19			
	5	0.680	0.520	0.430	0.35	0.630	0.490	0.400	0.33	0.580	0.460	0.370	0.31	0.390	0.320	0.27	0.320	0.270	0.23	0.260	0.220	0.19	0.15			
	6	0.620	0.470	0.370	0.30	0.580	0.440	0.340	0.28	0.530	0.400	0.320	0.26	0.340	0.280	0.22	0.290	0.230	0.19	0.230	0.190	0.15	0.13			
	7	0.570	0.420	0.320	0.25	0.530	0.390	0.300	0.24	0.480	0.360	0.280	0.22	0.310	0.240	0.19	0.250	0.200	0.16	0.210	0.160	0.13	0.10			
	8	0.520	0.370	0.280	0.21	0.490	0.350	0.260	0.20	0.450	0.320	0.240	0.19	0.270	0.210	0.16	0.230	0.180	0.14	0.190	0.140	0.11	0.09			
	9	0.490	0.340	0.240	0.18	0.450	0.310	0.230	0.17	0.410	0.290	0.220	0.16	0.250	0.180	0.14	0.210	0.160	0.12	0.170	0.130	0.09	0.07			
	10	0.450	0.310	0.220	0.16	0.420	0.280	0.200	0.15	0.390	0.260	0.190	0.14	0.230	0.160	0.12	0.190	0.140	0.10	0.160	0.110	0.08	0.06			

THE ABOVE COEFFICIENTS HAVE BEEN CALCULATED BASED ON LUMINAIRE LUMENS  
 BECAUSE IN AN ABSOLUTE TEST THE BARE LAMP LUMENS ARE UNKNOWN.  
 LIGHTING DESIGN CALCULATIONS MADE USING THESE COEFFICIENTS SHOULD  
 THEREFORE USE THE LUMINAIRE LUMENS IN THE CALCULATION FORMULA

LUMINAIRE INPUT WATTS 3.0

LABORATORY RESULTS MAY NOT BE REPRESENTATIVE OF FIELD PERFORMANCE.  
 BALLAST AND FIELD FACTORS HAVE NOT BEEN APPLIED.

TEST DISTANCE EXCEEDS FIVE TIMES THE GREATEST  
 LUMINOUS OPENING OF LUMINAIRE.