



**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**  
David Delgado  
12 York Ave.  
West Caldwell, NJ 07006-6411

Catalog Number  
**SKB015GUDLED27 / SKB015DLED27**  
Project Number  
**10049805**  
Test Number  
**285900**

Test Date

2013-08-12

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.  
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Lamp Description: Aluminum heatsink / housing, frosted plastic enclosure with upper white plastic section  
Catalog Number: SKB015GUDLED27 / SKB015DLED27  
Lamp: One 15 watt LED omnidirectional lamp  
Mounting: VBU

Lamp

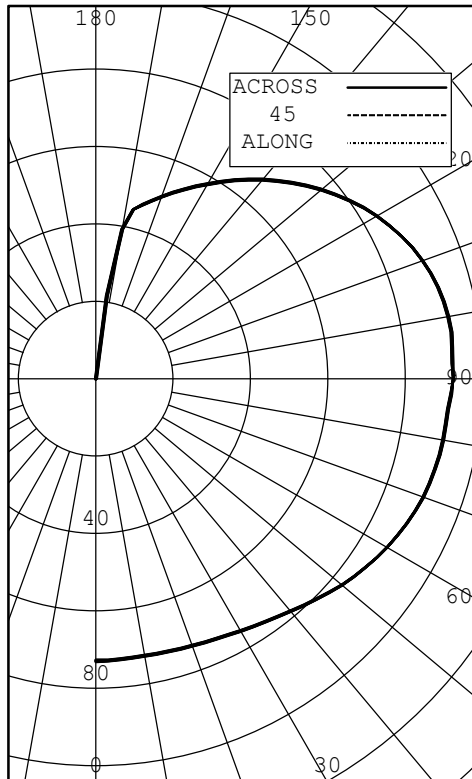


**Test Conditions**

Test Temperature:	24.5 °C
Voltage:	120.0 VAC
Current:	0.1137 A
Power:	13.41 W
Power Factor:	0.983
Frequency:	60 Hz
Current THD:	9.70 %



INTENSITY (CANDLEPOWER) SUMMARY



ANGLE	MEAN CP	LMS.	ANGLE	MEAN CP	LMS.
0	73		90	92	
5	73	7	95	93	101
10	73		100	93	
15	73	21	105	92	97
20	73		110	90	
25	74	34	115	87	86
30	75		120	84	
35	77	48	125	80	72
40	78		130	76	
45	81	62	135	72	56
50	83		140	67	
55	85	76	145	63	39
60	87		150	58	
65	89	88	155	54	25
70	90		160	50	
75	91	96	165	47	13
80	91		170	39	
85	91	100	175	0	2
90	92		180	0	

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LUMINAIRE
0-30	62	6.07
0-40	110	10.78
0-60	249	24.34
0-90	533	52.04
40-90	422	41.26
60-90	283	27.70
90-180	491	47.96
0-180	1023	100.00

EFFICACY (LUMENS PER WATT): 76.4

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

LUMINOUS BEAM DIAMETER: 2.750 INS

LUMINANCE SUMMARY CD./SQ.M.

S/MH: 1.6  
 SC: 1.6

ANGLE	MEAN CD/SQ M
45	1.6
55	1.6
65	1.6
75	1.6
85	1.6

TESTED IN ACCORDANCE WITH IES PROCEDURES.



INTENSITY (CANDLEPOWER) DATA

ANGLE	INTENSITY (CANDLEPOWER)	LUMENS
0	73	
5	73	7
10	73	
15	73	21
20	73	
25	74	34
30	75	
35	77	48
40	78	
45	81	62
50	83	
55	85	76
60	87	
65	89	88
70	90	
75	91	96
80	91	
85	91	100
90	92	
95	93	101
100	93	
105	92	97
110	90	
115	87	86
120	84	
125	80	72
130	76	
135	72	56
140	67	
145	63	39
150	58	
155	54	25
160	50	
165	47	13
170	39	
175	0	2
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	1.081	1.081	1.081	1.08	1.001	1.001	1.001	1.00	0.840	0.840	0.84	0.710	0.710	0.71	0.580	0.580	0.58	0.52		
	1	1.020	0.950	0.880	0.83	0.940	0.880	0.820	0.77	0.860	0.810	0.760	0.71	0.680	0.640	0.60	0.550	0.530	0.50	0.440	0.420	0.40	0.35		
	2	0.910	0.800	0.710	0.64	0.840	0.740	0.660	0.59	0.770	0.680	0.610	0.55	0.570	0.510	0.46	0.460	0.420	0.38	0.360	0.330	0.31	0.26		
	3	0.820	0.690	0.590	0.51	0.750	0.640	0.550	0.47	0.690	0.580	0.500	0.44	0.490	0.420	0.37	0.390	0.350	0.30	0.310	0.270	0.24	0.20		
	4	0.740	0.600	0.500	0.42	0.680	0.560	0.460	0.39	0.620	0.510	0.430	0.36	0.430	0.360	0.31	0.350	0.290	0.25	0.270	0.230	0.20	0.16		
	5	0.680	0.520	0.430	0.35	0.620	0.480	0.400	0.33	0.570	0.450	0.360	0.30	0.370	0.310	0.26	0.300	0.250	0.21	0.240	0.200	0.16	0.13		
	6	0.620	0.470	0.370	0.30	0.570	0.430	0.340	0.28	0.520	0.400	0.310	0.25	0.330	0.260	0.22	0.270	0.220	0.18	0.210	0.170	0.14	0.11		
	7	0.570	0.420	0.320	0.25	0.520	0.380	0.300	0.23	0.480	0.350	0.270	0.22	0.290	0.230	0.18	0.240	0.190	0.15	0.190	0.150	0.12	0.09		
	8	0.520	0.370	0.280	0.22	0.480	0.350	0.260	0.20	0.440	0.320	0.240	0.19	0.270	0.200	0.16	0.220	0.170	0.13	0.170	0.130	0.10	0.08		
	9	0.490	0.340	0.250	0.19	0.450	0.310	0.230	0.17	0.410	0.290	0.210	0.16	0.240	0.180	0.14	0.200	0.150	0.11	0.160	0.120	0.09	0.06		
	10	0.450	0.310	0.220	0.16	0.410	0.280	0.200	0.15	0.380	0.260	0.190	0.14	0.220	0.160	0.12	0.180	0.130	0.10	0.140	0.100	0.07	0.05		

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

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.