



**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  
**SKBO15GUDLED30 / SKBO15DLED30**  
Project Number  
**10049805**  
Test Number  
**285902**

Test Date

2013-08-09

Prepared By

Jeff Smith Jr., Project Coordinator

Approved By

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: SKBO15GUDLED30 / SKBO15DLED30  
Lamp: One 15 watt LED omnidirectional lamp  
Mounting: VBU

Lamp

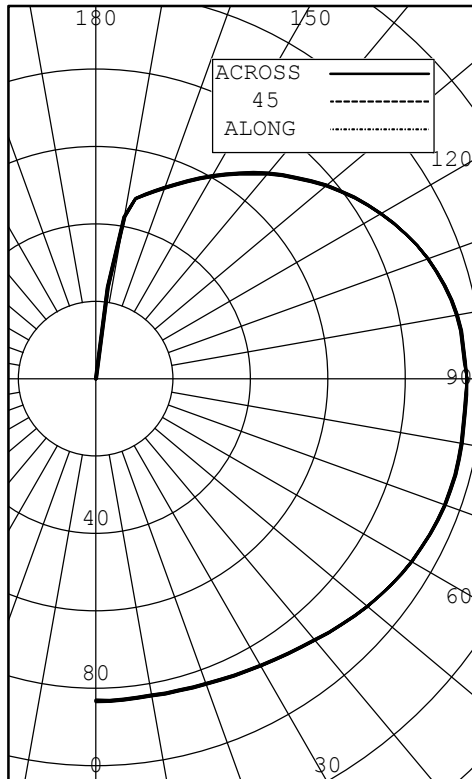


**Test Conditions**

Test Temperature:	25.3 °C
Voltage:	120.0 VAC
Current:	0.1250 A
Power:	14.81 W
Power Factor:	0.988
Frequency:	60 Hz
Current THD:	7.11 %



INTENSITY (CANDLEPOWER) SUMMARY



ANGLE	MEAN CP	LMS.	ANGLE	MEAN CP	LMS.
0	83		90	96	
5	83	8	95	95	104
10	83		100	95	
15	83	24	105	93	99
20	84		110	91	
25	85	39	115	88	88
30	86		120	85	
35	87	54	125	82	73
40	88		130	78	
45	90	70	135	73	57
50	92		140	69	
55	93	83	145	65	41
60	94		150	60	
65	95	94	155	56	26
70	96		160	53	
75	96	102	165	49	14
80	96		170	43	
85	96	104	175	0	2
90	96		180	0	

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LUMINAIRE
0-30	71	6.55
0-40	125	11.59
0-60	278	25.73
0-90	579	53.49
40-90	453	41.90
60-90	300	27.76
90-180	503	46.51
0-180	1082	100.00

EFFICACY (LUMENS PER WATT): 73.1

\*\*\* 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	83	
5	83	8
10	83	
15	83	24
20	84	
25	85	39
30	86	
35	87	54
40	88	
45	90	70
50	92	
55	93	83
60	94	
65	95	94
70	96	
75	96	102
80	96	
85	96	104
90	96	
95	95	104
100	95	
105	93	99
110	91	
115	88	88
120	85	
125	82	73
130	78	
135	73	57
140	69	
145	65	41
150	60	
155	56	26
160	53	
165	49	14
170	43	
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	0.850	0.850	0.85	0.720	0.720	0.72	0.590	0.590	0.59	0.53		
	1	1.020	0.950	0.890	0.84	0.940	0.880	0.830	0.78	0.870	0.810	0.760	0.71	0.680	0.650	0.61	0.570	0.540	0.51	0.460	0.430	0.42	0.36		
	2	0.910	0.800	0.720	0.64	0.840	0.740	0.670	0.60	0.770	0.690	0.610	0.55	0.570	0.520	0.47	0.470	0.430	0.39	0.380	0.350	0.32	0.27		
	3	0.820	0.690	0.590	0.51	0.760	0.640	0.550	0.48	0.690	0.590	0.510	0.44	0.490	0.430	0.38	0.400	0.360	0.31	0.320	0.280	0.25	0.21		
	4	0.750	0.600	0.500	0.43	0.690	0.560	0.470	0.40	0.630	0.520	0.430	0.37	0.430	0.370	0.31	0.350	0.300	0.26	0.280	0.240	0.21	0.17		
	5	0.680	0.520	0.430	0.35	0.630	0.490	0.400	0.33	0.570	0.450	0.370	0.31	0.380	0.310	0.26	0.310	0.260	0.22	0.250	0.210	0.17	0.14		
	6	0.620	0.470	0.370	0.30	0.570	0.440	0.340	0.28	0.520	0.400	0.320	0.26	0.340	0.270	0.22	0.280	0.220	0.18	0.220	0.180	0.14	0.11		
	7	0.570	0.420	0.320	0.26	0.530	0.390	0.300	0.24	0.480	0.360	0.280	0.22	0.300	0.230	0.19	0.250	0.190	0.15	0.200	0.150	0.12	0.09		
	8	0.530	0.380	0.280	0.22	0.480	0.350	0.260	0.20	0.440	0.320	0.240	0.19	0.270	0.210	0.16	0.220	0.170	0.13	0.180	0.140	0.11	0.08		
	9	0.490	0.340	0.250	0.19	0.450	0.320	0.230	0.18	0.410	0.290	0.220	0.16	0.250	0.180	0.14	0.200	0.150	0.12	0.160	0.120	0.09	0.07		
	10	0.450	0.310	0.220	0.17	0.420	0.290	0.210	0.16	0.380	0.260	0.190	0.14	0.220	0.160	0.12	0.180	0.130	0.10	0.150	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

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.