



UL Verification Services
7036 Snowdrift Road Suite 200
Allentown, PA 18106
610-774-1300



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

SKBO15GUDLED41 / SKBO15DLED41

Project Number

10049805

Test Number

285904

Test Date

2013-08-12

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: SKBO15GUDLED41 / SKBO15DLED41
Lamp: One 15 watt LED omnidirectional lamp
Mounting: VBU

Lamp

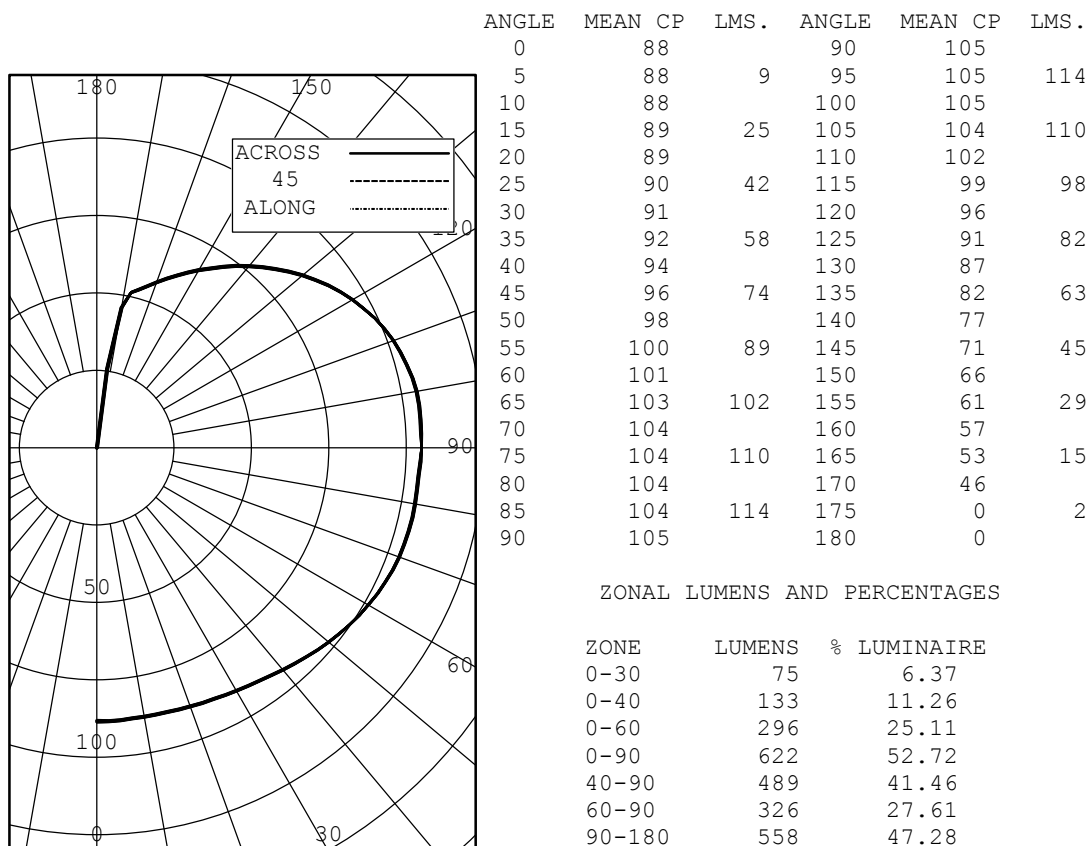


Test Conditions

Test Temperature:	24.2 °C
Voltage:	120.0 VAC
Current:	0.1151 A
Power:	13.58 W
Power Factor:	0.983
Frequency:	60 Hz
Current THD:	8.00 %



INTENSITY (CANDLEPOWER) SUMMARY



ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LUMINAIRE
0-30	75	6.37
0-40	133	11.26
0-60	296	25.11
0-90	622	52.72
40-90	489	41.46
60-90	326	27.61
90-180	558	47.28
0-180	1180	100.00

EFFICACY (LUMENS PER WATT): 86.8

*** THIS IS AN ABSOLUTE TEST ***

LUMINOUS DIAMETER: 2.750 INS

LUMINANCE SUMMARY CD./SQ.M.

S/MH: 1.6
SC: 1.6

ANGLE	MEAN CD/SQ M
45	19138
55	20582
65	22663
75	25447
85	29524

TESTED IN ACCORDANCE WITH IES PROCEDURES.



INTENSITY (CANDLEPOWER) DATA

ANGLE	INTENSITY (CANDLEPOWER)	LUMENS
0	88	
5	88	9
10	88	
15	89	25
20	89	
25	90	42
30	91	
35	92	58
40	94	
45	96	74
50	98	
55	100	89
60	101	
65	103	102
70	104	
75	104	110
80	104	
85	104	114
90	105	
95	105	114
100	105	
105	104	110
110	102	
115	99	98
120	96	
125	91	82
130	87	
135	82	63
140	77	
145	71	45
150	66	
155	61	29
160	57	
165	53	15
170	46	
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	0.710	0.710	0.71	0.590	0.590	0.59	0.53			
1	1.020	0.950	0.890	0.84	0.940	0.880	0.820	0.77	0.860	0.810	0.760	0.71	0.680	0.640	0.61	0.560	0.530	0.51	0.450	0.430	0.41	0.36			
2	0.910	0.800	0.720	0.64	0.840	0.740	0.660	0.60	0.770	0.680	0.610	0.55	0.570	0.520	0.47	0.470	0.430	0.39	0.370	0.340	0.31	0.26			
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	0.350	0.31	0.320	0.280	0.25	0.20			
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	0.360	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	0.21	0.240	0.200	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	0.330	0.270	0.22	0.270	0.220	0.18	0.220	0.170	0.14	0.11			
7	0.570	0.420	0.320	0.26	0.520	0.390	0.300	0.24	0.480	0.360	0.280	0.22	0.300	0.230	0.19	0.240	0.190	0.15	0.190	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	0.170	0.130	0.10	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	0.240	0.180	0.14	0.200	0.150	0.11	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.