



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
Starfire Lighting Inc
Craig Newman
7 Donna Drive
Wood-Ridge, New Jersey 07075

Catalog Number
KE100-LED-60-1
Project Number
10286515
Test Number
594104

Test Date

2014-04-22

Prepared By

A handwritten signature in black ink, reading 'Derek Smarr'.

Derek Smarr, Technician

Approved By

A handwritten signature in black ink, reading 'Zachary Mooney'.

Zachary Mooney, Engineer Project 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.



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

Luminaire Description: White aluminum housing, white reflector, no enclosure
Catalog Number: KE100-LED-60-1
Lamp: 90 White LEDs
Mounting: Cove Light
Ballast/Driver: One Philips Advance X1075C200V054XPT1

Luminaire

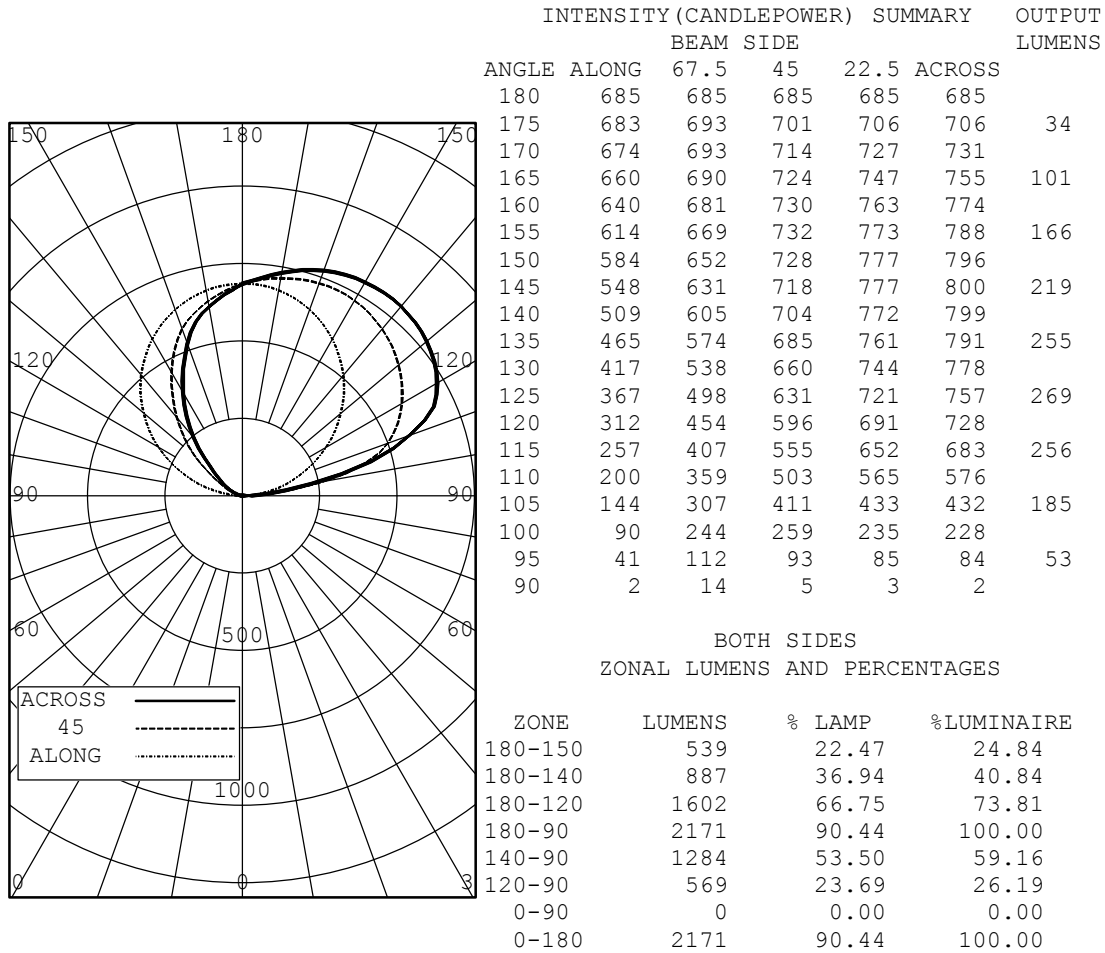


Test Conditions

Test Temperature:	25.0 °C
Voltage:	277.0 VAC
Current:	0.1824 A
Power:	48.36 W
Power Factor:	0.957
Frequency:	60 Hz
Current THD:	17.9 %



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



** EFFICIENCY: 90.4% **

LUMINOUS LENGTH: 4.500 INS
WIDTH: 45.000 INS

TESTED IN ACCORDANCE WITH IES PROCEDURES.



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

BEAM SIDE
INTENSITY (CANDLEPOWER) DATA
IN 2.5 DEGREE STEPS

ANGLE	ALONG	67.5	45	PLANE 22.5	ACROSS	AVERAGE	OUTPUT LUMENS
180.0	685	685	685	685	685	685	
177.5	685	690	694	695	695	692	
175.0	683	693	701	706	706	699	34
172.5	680	694	708	717	718	704	
170.0	674	693	714	727	731	709	
167.5	668	692	719	737	743	713	
165.0	660	690	724	747	755	717	101
162.5	650	686	727	756	765	719	
160.0	640	681	730	763	774	720	
157.5	628	676	732	769	782	720	
155.0	614	669	732	773	788	719	166
152.5	600	661	731	776	792	716	
150.0	584	652	728	777	796	712	
147.5	567	642	724	777	799	707	
145.0	548	631	718	777	800	700	219
142.5	529	619	712	775	800	692	
140.0	509	605	704	772	799	684	
137.5	487	590	695	767	795	673	
135.0	465	574	685	761	791	662	255
132.5	441	556	673	754	785	649	
130.0	417	538	660	744	778	635	
127.5	392	518	646	734	768	620	
125.0	367	498	631	721	757	603	269
122.5	340	476	614	707	744	585	
120.0	312	454	596	691	728	565	
117.5	285	431	576	673	708	544	
115.0	257	407	555	652	683	521	256
112.5	228	383	530	620	638	492	
110.0	200	359	503	565	576	454	
107.5	171	334	465	501	514	411	
105.0	144	307	411	433	432	360	185
102.5	117	280	347	335	328	296	
100.0	90	244	259	235	228	224	
97.5	65	185	167	147	144	151	
95.0	41	112	93	85	84	88	53
92.5	18	50	38	33	33	37	
90.0	2	14	5	3	2	6	

LUMINOUS LENGTH: 4.500 INS
WIDTH: 45.000 INS



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

OPPOSITE SIDE TO BEAM
INTENSITY (CANDLEPOWER) DATA
IN 2.5 DEGREE STEPS

ANGLE	ALONG	112.5	135	157.5	ACROSS	AVERAGE	OUTPUT LUMENS
180.0	685	685	685	685	685	685	
177.5	685	681	676	672	668	676	
175.0	683	674	665	658	654	666	32
172.5	680	666	653	643	638	655	
170.0	674	656	640	628	621	643	
167.5	668	646	625	611	604	629	
165.0	660	633	610	592	583	614	86
162.5	650	620	593	567	554	595	
160.0	640	605	573	537	521	574	
157.5	628	589	548	504	486	549	
155.0	614	572	519	470	453	524	120
152.5	600	554	489	436	418	497	
150.0	584	534	458	402	383	469	
147.5	567	512	426	368	349	441	
145.0	548	488	393	334	315	412	128
142.5	529	462	361	300	281	382	
140.0	509	434	329	266	246	351	
137.5	487	404	297	232	209	320	
135.0	465	375	265	197	174	289	111
132.5	441	344	234	163	143	258	
130.0	417	313	202	134	119	229	
127.5	392	281	169	111	102	202	
125.0	367	250	138	94	87	177	80
122.5	340	219	111	80	74	154	
120.0	312	189	90	68	63	134	
117.5	285	160	74	57	53	115	
115.0	257	131	61	47	44	97	48
112.5	228	103	49	38	35	80	
110.0	200	77	39	30	28	65	
107.5	171	56	30	23	21	51	
105.0	144	41	22	17	16	40	22
102.5	117	29	16	12	10	30	
100.0	90	20	10	7	6	21	
97.5	65	12	5	3	2	13	
95.0	41	7	2	0	0	7	5
92.5	18	3	0	0	0	3	
90.0	2	1	0	0	0	1	

LUMINOUS LENGTH: 4.500 INS
WIDTH: 45.000 INS



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

UL Verification Services
7036 Snowdrift Road
Allentown, PA, USA 18106

INDEPENDENT TEST LABORATORY REPORT No. 594106

Starfire Lighting Inc, CAT# LE100-T5H-24-1
N/A
N/A, CAT# N/A. LUMEN RATING = 1200 LMS.
120.02V 0.2735A 32.69W PF=0.9959

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	0.990	0.990	0.990	0.99	0.860	0.860	0.860	0.86	0.740	0.740	0.740	0.74	0.500	0.500	0.50	0.290	0.290	0.29	0.090	0.090	0.09	0.00			
1	0.900	0.860	0.820	0.79	0.780	0.750	0.710	0.69	0.670	0.640	0.610	0.58	0.440	0.420	0.41	0.250	0.240	0.24	0.080	0.080	0.08	0.00			
2	0.820	0.740	0.680	0.63	0.710	0.650	0.600	0.56	0.610	0.560	0.510	0.48	0.380	0.360	0.33	0.220	0.210	0.20	0.070	0.070	0.06	0.00			
3	0.750	0.650	0.580	0.53	0.650	0.570	0.510	0.46	0.550	0.490	0.440	0.40	0.340	0.310	0.28	0.190	0.180	0.17	0.060	0.060	0.05	0.00			
4	0.680	0.570	0.500	0.44	0.590	0.500	0.440	0.39	0.500	0.430	0.380	0.34	0.300	0.260	0.24	0.170	0.150	0.14	0.060	0.050	0.05	0.00			
5	0.620	0.490	0.430	0.37	0.540	0.440	0.380	0.33	0.460	0.380	0.330	0.29	0.260	0.230	0.20	0.150	0.130	0.12	0.050	0.040	0.04	0.00			
6	0.570	0.450	0.370	0.32	0.500	0.400	0.330	0.28	0.420	0.340	0.280	0.25	0.240	0.200	0.17	0.140	0.120	0.10	0.040	0.040	0.03	0.00			
7	0.520	0.400	0.330	0.27	0.460	0.350	0.290	0.24	0.390	0.300	0.250	0.21	0.210	0.170	0.15	0.120	0.100	0.09	0.040	0.030	0.03	0.00			
8	0.480	0.360	0.290	0.24	0.420	0.320	0.250	0.21	0.360	0.270	0.220	0.18	0.190	0.150	0.13	0.110	0.090	0.08	0.040	0.030	0.03	0.00			
9	0.450	0.330	0.250	0.21	0.390	0.290	0.220	0.18	0.330	0.250	0.200	0.16	0.170	0.140	0.11	0.100	0.080	0.07	0.030	0.030	0.02	0.00			
10	0.410	0.300	0.230	0.18	0.360	0.260	0.200	0.16	0.310	0.220	0.170	0.14	0.160	0.120	0.10	0.090	0.070	0.06	0.030	0.020	0.02	0.00			

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.