

# VISUAL COMFORT GROUP TEST REPORT

## SCOPE OF WORK

Electrical and Photometric tests as required to the IESNA test standard.

## MODEL NUMBER

700WSMLY7x-LED930

## REPORT NUMBER

103643585CHI-030

## ISSUE DATE

January 31, 2019

## REVISION DATE

None

## DOCUMENT CONTROL NUMBER

TBD

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**REPORT NO.: 103643585CHI-030**

**REPORT DATE: January 31, 2019**

**TEST REPORT**

**TEST OF ONE WALL MOUNT LUMINAIRE**

MODEL NO. 700WSMLY7X-LED930  
LED MODEL NO. EVERLIGHT 62-217B/KK2C-S3030QAR2B42Z15/2T  
DRIVER MODEL NO. DA15W350C1042-3001

**RENDERED TO:**

VISUAL COMFORT GROUP  
7400 LINDER AVE.  
SKOKIE, IL 60077

**AUTHORIZATION**

The testing performed was authorized by signed quote number Qu-00912313.

**STANDARDS USED**

IESNA LM-79 - 2008: Electrical and Photometric Measurements of Solid State Lighting

**DESCRIPTION OF SAMPLE**

The client submitted one production sample of model number 700WSMLY7x-LED930. The sample was received by Intertek on January 8, 2019 in undamaged condition and one sample was tested as received. The sample designation was AH01082019040430-30.

**DATE OF TESTS**

January 30, 2019.

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**TEST REPORT**

**SUMMARY**

<b>MODEL NO:</b>	700WSMLY7x-LED930
<b>DESCRIPTION:</b>	Wall Mount Luminaire

CRITERIA	RESULTS
Lumen Output (lumens)	536.6
Input Power (W) @ 120 (VAC)	9.038
Lumen Efficacy (lm/W)	59.4
Input Power Factor ( ) @ 120 (VAC)	0.993

**EQUIPMENT LIST**

EQUIPMENT USED	MODEL NO.	CONTROL NO.	LAST CAL DATE	CAL DUE DATE
Yokogawa Power Meter	WT210	146919	7/9/2018	7/9/2019
Omega Thermometer	DPI8-C24	146920	10/4/2018	10/4/2019
LSI High Speed Mirror Goniometer	6440T	146928	VBV	VBV
Newport Thermohygrometer	iServer	146379	4/16/2018	4/16/2019
Pacific, AC power supply	118-ACX	CHI0358	VBV	VBV

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**TEST METHODS**

**SEASONING IN SAMPLE ORIENTATION - LED PRODUCTS**

No seasoning was performed in accordance with IESNA LM-79.

**PHOTOMETRIC AND ELECTRICAL MEASUREMENTS - DISTRIBUTION METHOD**

A Type C Mirror Goniometer was used to measure the intensity (candelas) at each angle of distribution for the SSL sample.

Ambient temperature was measured equal to the height of the sample mounted on the goniometer equipment. The SSL sample was operated on the client provided driver at rated input volts in its designated orientation. The SSL sample was allowed to stabilize for at least thirty minutes before measurements were made. Stabilization procedures to LM-79 were followed. Electrical measurements including voltage, current, and power were measured using a power analyzer.

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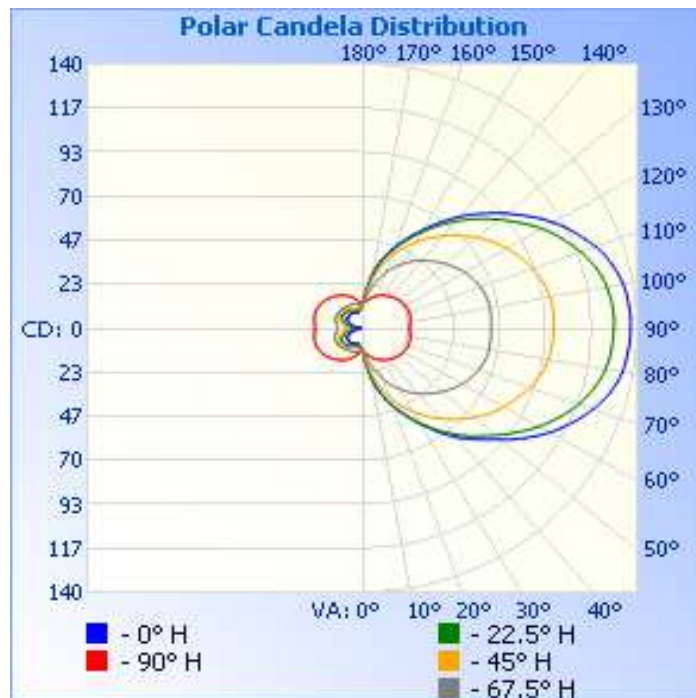
RESULTS OF TESTS

PHOTOMETRIC AND ELECTRICAL MEASUREMENTS - DISTRIBUTION METHOD (25°C +/- 1°C)

INTERTEK CONTROL NO.	BASE POSITION	INPUT VOLTAGE (VAC)	INPUT CURRENT (mA)	INPUT POWER (W)	INPUT POWER FACTOR ( )	LIGHT OUTPUT (lm)	LUMEN EFFICACY (lm/W)
AH01082019040430-30	Base Up	120.1	75.8	9.038	0.993	536.6	59.4

INTENSITY SUMMARY - CANDELAS

Angle	0	22.5	45	67.5	90
0	12	12	12	12	12
5	18	18	16	14	13
10	27	27	23	18	14
15	36	35	31	22	16
20	43	43	38	27	17
25	50	50	44	32	18
30	58	58	51	37	19
35	67	66	57	41	20
40	76	73	62	45	22
45	83	81	68	49	22
50	92	88	74	52	23
55	101	96	79	56	24
60	110	104	83	59	25
65	118	111	87	61	25
70	125	117	91	63	25
75	131	122	94	65	25
80	134	126	96	66	25
85	136	127	97	66	24
90	137	128	98	66	24
95	136	128	98	66	24
100	135	126	97	66	25
105	132	123	95	65	25
110	127	118	92	64	25
115	120	112	89	62	25
120	112	106	85	60	25
125	104	98	80	57	24
130	95	90	75	54	24
135	86	82	70	50	23
140	77	74	64	47	22
145	68	66	58	43	21
150	60	58	52	39	20
155	52	51	46	35	19
160	45	44	40	30	18
165	37	36	32	25	17
170	29	27	25	20	15
175	20	19	18	16	14
180	13	13	13	13	13



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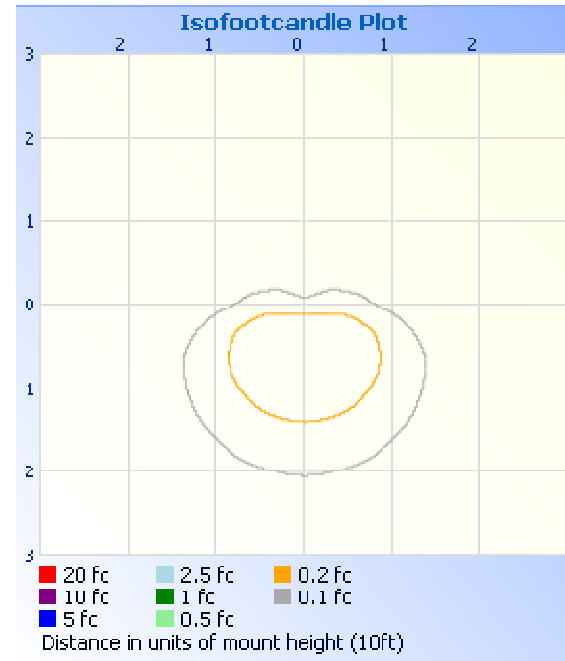
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**TEST REPORT**

**RESULTS OF TESTS**

**PHOTOMETRIC AND ELECTRICAL MEASUREMENTS - DISTRIBUTION METHOD (25°C +/- 1°C)**

MOUNTING HEIGHT: 10ft	
ILLUMINANCE - CONE OF LIGHT	ISOILLUMINATION PLOT



**ZONAL LUMEN SUMMARY AND PERCENTAGES**

ZONE	LUMENS	% LUMINAIRE
0-30	19.3	3.6
0-40	39.8	7.4
0-60	109.0	20.3
60-90	157.6	29.4
70-100	165.7	30.9
90-120	158.5	29.5
0-90	266.6	49.7
90-180	269.9	50.3
0-180	536.6	100.0

ZONE	LUMENS	% LUMINAIRE
0-10	1.4	0.3
10-20	5.7	1.1
20-30	12.2	2.3
30-40	20.5	3.8
40-50	29.8	5.5
50-60	39.5	7.4
60-70	48.0	8.9
70-80	53.7	10.0
80-90	55.9	10.4
90-100	56.0	10.4
100-110	54.0	10.1
110-120	48.5	9.0
120-130	40.0	7.5
130-140	30.3	5.7
140-150	20.9	3.9
150-160	12.6	2.4
160-170	6.0	1.1
170-180	1.5	0.3

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**PICTURES**



**CONCLUSION**

The results tabulated in this report are representative of the actual test samples submitted for this report only. The data is provided to the client for further evaluation. Compliance to the referenced specification requirements was not determined in this report.

In Charge Of Tests:

*Tess Gallagher*

Tess Gallagher  
Engineer  
Lighting Division

Report Reviewed By:

*Tim Quigley*

Timothy Quigley  
Engineer  
Lighting Division

Attachments: IES File

**REVISION HISTORY**

JOB NUMBER	DATE OF REVISION	PROJECT HANDLER	REVIEWED BY	REVISION NOTE
None				