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Allentown, PA 18106
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Indoor Distribution Test Report

Relevant Standards
IES LM-79-2008, ANSI C82.77-2002

Prepared For
Jesco Lighting Group LLC
15 Harbor Park Dr
Port Washington, NY 11050
United States

Catalog Number
DL-FLEX2-UP-3090
Order Number
12519015
Test Number
12519015.01

Test Date

2018-09-21

Prepared By

Cordaryl Cousar, Technician

Approved By

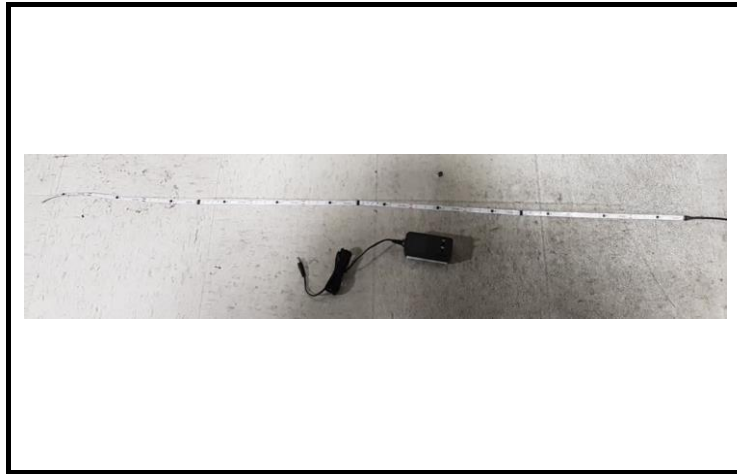
Alexa Lambert, Project Handler

The results contained in this report pertain only to the tested sample.
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Luminaire Description: LED strip
Lamp: 72 white LEDs
Mounting: Surface – Ceiling
Ballast/Driver: One Jesco DL-PS-WP24/24 AC Adapter

Luminaire



Luminaire Characteristics

Luminous Length: 47.00 in.
Luminous Width: 0.2500 in.

Summary of Results

Total Luminaire Output: 505.7 Lumens
Luminaire Efficacy: 84.8 lm/w
Maximum Candela: 174 Candela

Test Conditions

Test Temperature: 24.3 °C
Voltage: 120.0 VAC
Current: 0.1147 A
Power: 5.962 W
Power Factor: 0.433
Frequency: 60 Hz
Current THD: 202 %

Laboratory results may not be representative of field performance
Ballast factors have not been applied



Distribution - Goniophotometer

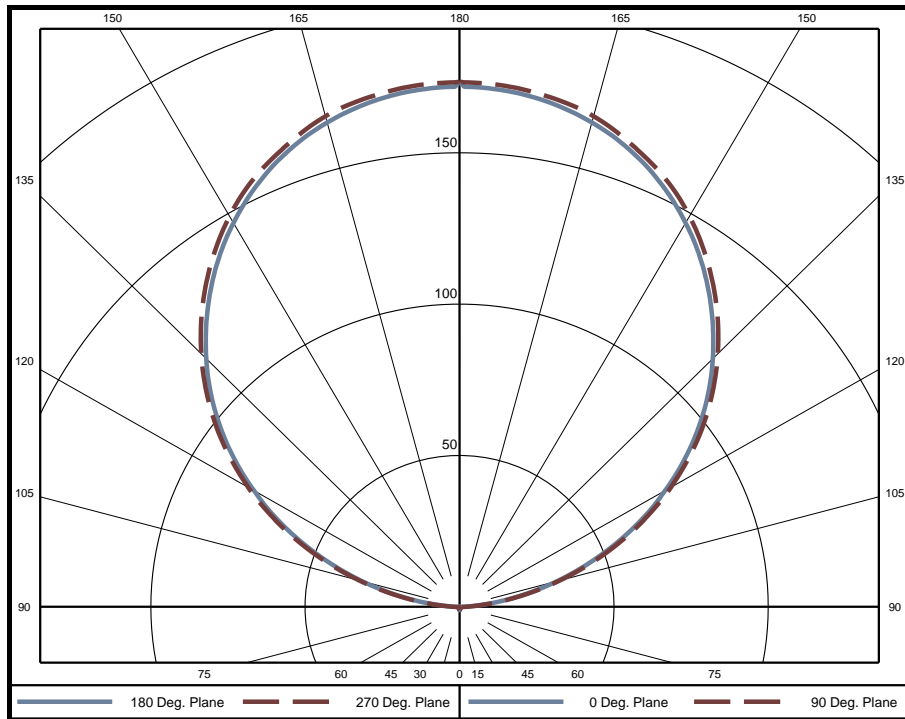
Distribution Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.3 °C	120.0 VAC	0.1147 A	5.962 W	0.433	60 Hz	202 %

Summary of Results

Total Lumen Output:	505.7 Lumens
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Polar Plot



Zonal Lumen Summary

Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire
0-5	0	0.0%	60-65	0	0.0%	120-125	39.80	7.9%
5-10	0	0.0%	65-70	0	0.0%	125-130	43.42	8.6%
10-15	0	0.0%	70-75	0	0.0%	130-135	45.44	9.0%
15-20	0	0.0%	75-80	0	0.0%	135-140	45.91	9.1%
20-25	0	0.0%	80-85	0	0.0%	140-145	44.90	8.9%
25-30	0	0.0%	85-90	0	0.0%	145-150	42.49	8.4%
30-35	0	0.0%	90-95	1.92	0.4%	150-155	38.67	7.6%
35-40	0	0.0%	95-100	7.01	1.4%	155-160	33.52	6.6%
40-45	0	0.0%	100-105	13.97	2.8%	160-165	27.24	5.4%
45-50	0	0.0%	105-110	21.43	4.2%	165-170	20.09	4.0%
50-55	0	0.0%	110-115	28.59	5.7%	170-175	12.30	2.4%
55-60	0	0.0%	115-120	34.81	6.9%	175-180	4.14	0.8%

Zone	Lumens	% of Luminaire
0-40	0	0.0%
0-60	0	0.0%
0-90	0	0.0%
90-180	506	100.0%



Candela Tabulation
Horizontal Angle (Degrees)

	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5
0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90	0.2	1.0	1.2	1.3	1.2	1.3	1.2	1.0	0.2	1.0	1.2	1.3	1.2	1.3	1.2	1.0
95	5.9	7.1	7.6	7.6	7.4	7.6	7.6	7.1	5.9	7.1	7.6	7.6	7.4	7.6	7.6	7.1
100	18.4	19.1	19.3	19.3	19.2	19.3	19.3	19.1	18.4	19.1	19.3	19.3	19.2	19.3	19.3	19.1
105	32.5	33.5	33.4	33.6	33.5	33.6	33.4	33.5	32.5	33.5	33.4	33.6	33.5	33.6	33.4	33.5
110	47.3	49.0	48.8	49.1	48.9	49.1	48.8	49.0	47.3	49.0	48.8	49.1	48.9	49.1	48.8	49.0
115	62.4	64.6	64.4	64.7	64.3	64.7	64.4	64.6	62.4	64.6	64.4	64.7	64.3	64.7	64.4	64.6
120	76.8	79.5	79.0	79.4	79.2	79.4	79.0	79.5	76.8	79.5	79.0	79.4	79.2	79.4	79.0	79.5
125	91.0	94.0	93.3	93.6	93.2	93.6	93.3	94.0	91.0	94.0	93.3	93.6	93.2	93.6	93.3	94.0
130	104.0	107.2	106.4	106.7	106.2	106.7	106.4	107.2	104.0	107.2	106.4	106.7	106.2	106.7	106.4	107.2
135	115.9	119.3	118.5	118.8	118.4	118.8	118.5	119.3	115.9	119.3	118.5	118.8	118.4	118.8	118.5	119.3
140	127.0	130.4	129.5	129.9	129.6	129.9	129.5	130.4	127.0	130.4	129.5	129.9	129.6	129.9	129.5	130.4
145	137.4	140.5	139.6	140.1	139.8	140.1	139.6	140.5	137.4	140.5	139.6	140.1	139.8	140.1	139.6	140.5
150	146.4	149.6	148.8	149.3	149.1	149.3	148.8	149.6	146.4	149.6	148.8	149.3	149.1	149.3	148.8	149.6
155	154.3	157.4	156.6	157.1	156.7	157.1	156.6	157.4	154.3	157.4	156.6	157.1	156.7	157.1	156.6	157.4
160	160.8	163.5	162.9	163.3	162.7	163.3	162.9	163.5	160.8	163.5	162.9	163.3	162.7	163.3	162.9	163.5
165	165.7	168.2	167.5	168.3	167.9	168.3	167.5	168.2	165.7	168.2	167.5	168.3	167.9	168.3	167.5	168.2
170	169.2	171.5	170.8	171.4	170.9	171.4	170.8	171.5	169.2	171.5	170.8	171.4	170.9	171.4	170.8	171.5
175	171.2	173.7	172.8	173.2	172.8	173.2	172.8	173.7	171.2	173.7	172.8	173.2	172.8	173.2	172.8	173.7
180	173.5	173.5	173.5	173.5	173.5	173.5	173.5	173.5	173.5	173.5	173.5	173.5	173.5	173.5	173.5	173.5

Vertical Angle (Degrees)



Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 20%

Ceiling Cavity Reflectance	80				70				50			30			10			0
Wall Reflectance	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
Room Cavity Ratio (RCR)	** Values are expressed as percent of total lumen output delivered to the task surface **																	
0	95	95	95	95	81	81	81	81	56	56	56	32	32	32	10	10	10	0
1	87	83	79	76	74	71	68	65	48	47	45	28	27	26	9	9	8	0
2	79	72	66	62	67	62	57	53	42	40	37	24	23	22	8	7	7	0
3	72	63	57	51	61	54	49	44	37	34	31	21	20	18	7	6	6	0
4	65	56	48	43	56	48	42	37	33	29	26	19	17	16	6	6	5	0
5	60	49	42	36	51	42	36	32	29	25	22	17	15	13	5	5	4	0
6	55	44	36	31	47	38	32	27	26	22	19	15	13	11	5	4	4	0
7	50	39	32	27	43	34	28	23	23	19	17	14	11	10	4	4	3	0
8	47	35	28	23	40	30	24	20	21	17	14	12	10	9	4	3	3	0
9	43	32	25	20	37	27	22	18	19	15	13	11	9	8	4	3	3	0
10	40	29	22	18	34	25	19	16	17	14	11	10	8	7	3	3	2	0

Beam and Field Information	
CIE Type:	Indirect
Center Beam Intensity:	171.9 Candela
Central Cone Intensity:	173 Candela
Beam Flux:	379.3 Lumens
Beam Angle (0-180):	113.6 Degrees
Beam Angle (90-270):	115.1 Degrees
Field Angle (0-180):	161.0 Degrees
Field Angle (90-270):	161.6 Degrees