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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-HO-3090
Order Number
12519015
Test Number
12519015.02

Test Date

2018-09-21

Prepared By

Cordaryl Cousar, Technician

Approved By

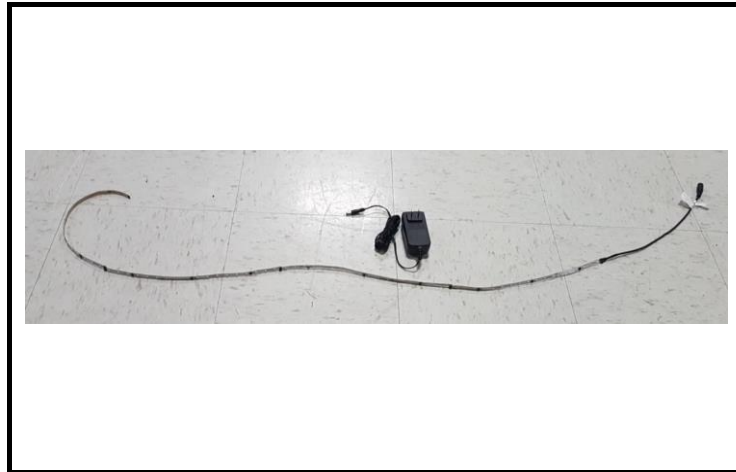
Alexa Lambert, Project Handler

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:	1004 Lumens
Luminaire Efficacy:	82.5 lm/w
Maximum Candela:	346 Candela

Test Conditions

Test Temperature:	24.3 °C
Voltage:	120.0 VAC
Current:	0.2180 A
Power:	12.17 W
Power Factor:	0.465
Frequency:	60 Hz
Current THD:	184 %

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



Distribution - Goniophotometer

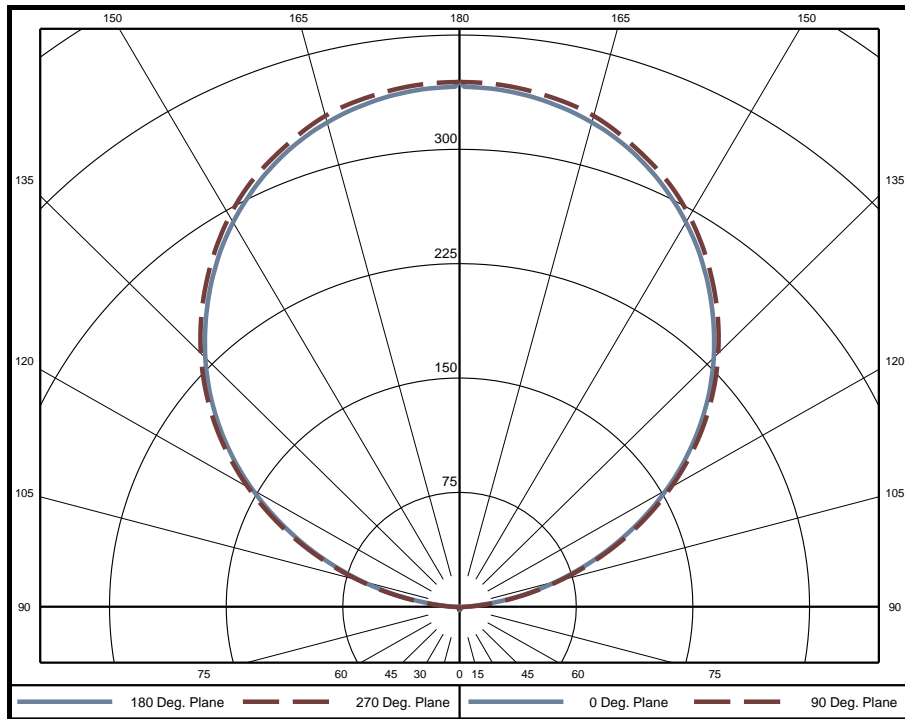
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Polar Plot



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	79.06	7.9%
5-10	0	0.0%	65-70	0	0.0%	125-130	86.21	8.6%
10-15	0	0.0%	70-75	0	0.0%	130-135	90.21	9.0%
15-20	0	0.0%	75-80	0	0.0%	135-140	91.14	9.1%
20-25	0	0.0%	80-85	0	0.0%	140-145	89.17	8.9%
25-30	0	0.0%	85-90	0	0.0%	145-150	84.37	8.4%
30-35	0	0.0%	90-95	4.07	0.4%	150-155	76.73	7.6%
35-40	0	0.0%	95-100	14.06	1.4%	155-160	66.49	6.6%
40-45	0	0.0%	100-105	27.86	2.8%	160-165	54.07	5.4%
45-50	0	0.0%	105-110	42.44	4.2%	165-170	39.87	4.0%
50-55	0	0.0%	110-115	56.49	5.6%	170-175	24.42	2.4%
55-60	0	0.0%	115-120	68.94	6.9%	175-180	8.22	0.8%

Zone	Lumens	% of Luminaire
0-40	0	0.0%
0-60	0	0.0%
0-90	0	0.0%
90-180	1004	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	0.3	2.1	2.7	3.1	3.3	3.1	2.7	2.1	0.3	2.1	2.7	3.1	3.3	3.1	2.7	2.1
95	11.9	14.2	15.5	15.6	15.7	15.6	15.5	14.2	11.9	14.2	15.5	15.6	15.7	15.6	15.5	14.2
100	36.8	38.3	38.4	38.6	38.8	38.6	38.4	38.3	36.8	38.3	38.4	38.6	38.8	38.6	38.4	38.3
105	64.8	66.7	66.3	66.4	66.9	66.4	66.3	66.7	64.8	66.7	66.3	66.4	66.9	66.4	66.3	66.7
110	94.0	97.0	96.3	96.7	97.0	96.7	96.3	97.0	94.0	97.0	96.3	96.7	97.0	96.7	96.3	97.0
115	123.9	127.6	126.8	127.3	127.6	127.3	126.8	127.6	123.9	127.6	126.8	127.3	127.6	127.3	126.8	127.6
120	153.3	157.9	156.6	157.3	157.2	157.3	156.6	157.9	153.3	157.9	156.6	157.3	157.2	157.3	156.6	157.9
125	181.2	186.6	185.1	185.6	185.4	185.6	185.1	186.6	181.2	186.6	185.1	185.6	185.4	185.6	185.1	186.6
130	207.2	212.9	211.4	211.4	211.4	211.4	211.4	212.9	207.2	212.9	211.4	211.4	211.4	211.4	211.4	212.9
135	231.0	236.9	235.2	235.3	235.2	235.3	235.2	236.9	231.0	236.9	235.2	235.3	235.2	235.3	235.2	236.9
140	252.8	259.0	257.1	257.2	257.3	257.2	257.1	259.0	252.8	259.0	257.1	257.2	257.3	257.2	257.1	259.0
145	273.0	279.0	277.5	277.7	277.5	277.7	277.5	279.0	273.0	279.0	277.5	277.7	277.5	277.7	277.5	279.0
150	291.1	296.9	295.6	296.0	295.8	296.0	295.6	296.9	291.1	296.9	295.6	296.0	295.8	296.0	295.6	296.9
155	306.5	312.3	310.9	311.1	311.1	311.1	310.9	312.3	306.5	312.3	310.9	311.1	311.1	311.1	310.9	312.3
160	319.3	324.5	323.3	323.7	323.0	323.7	323.3	324.5	319.3	324.5	323.3	323.7	323.0	323.7	323.3	324.5
165	328.8	333.8	332.5	333.8	333.4	333.8	332.5	333.8	328.8	333.8	332.5	333.8	333.4	333.8	332.5	333.8
170	335.6	340.6	339.3	340.1	339.4	340.1	339.3	340.6	335.6	340.6	339.3	340.1	339.4	340.1	339.3	340.6
175	339.7	344.9	342.9	343.5	343.1	343.5	342.9	344.9	339.7	344.9	342.9	343.5	343.1	343.5	342.9	344.9
180	344.4	344.4	344.4	344.4	344.4	344.4	344.4	344.4	344.4	344.4	344.4	344.4	344.4	344.4	344.4	344.4

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:	341.1 Candela
Central Cone Intensity:	344 Candela
Beam Flux:	753.3 Lumens
Beam Angle (0-180):	113.9 Degrees
Beam Angle (90-270):	115.3 Degrees
Field Angle (0-180):	161.0 Degrees
Field Angle (90-270):	161.8 Degrees