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Indoor Distribution Test Report

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

Prepared For
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Catalog Number
2714
Order Number
10776086
Test Number
1053183

Test Date

2015-05-05

Prepared By

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Approved By

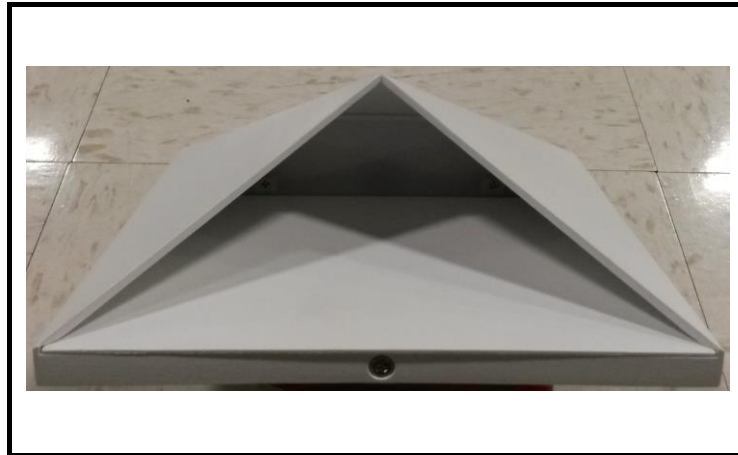
Kyle Spaziani, Project Handler

The results contained in this report pertain only to the tested sample.
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Luminaire Description: Formed aluminum housing, frosted plastic enclosure
Lamp: 36 white LEDs
Mounting: Surface - Wall
Ballast/Driver: One L.T.F. Electronic Transformer TA60WA12LED-0000

Luminaire



Luminaire Characteristics

Luminous Length: 2.38 in.
Luminous Width: 7.750 in.
Luminous Height: 3.75 in.

Summary of Results

Total Luminaire Output: 300.5 Lumens
Luminaire Efficacy: 13.2 lm/w
Maximum Candela: 311 Candela

Electrical Data

Test Temperature: 24.6 °C
Voltage: 120.0 VAC
Current: 0.1976 A
Power: 22.69 W
Power Factor: 0.957
Frequency: 60 Hz
Current THD: 30.1 %

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
24.6 °C	120.0 VAC	0.1976 A	22.69 W	0.957	60 Hz	30.1 %

Summary of Results

Spacing Criteria

0-180: N/A
90-270: N/A

Total Lumen Output:

300.5 Lumens

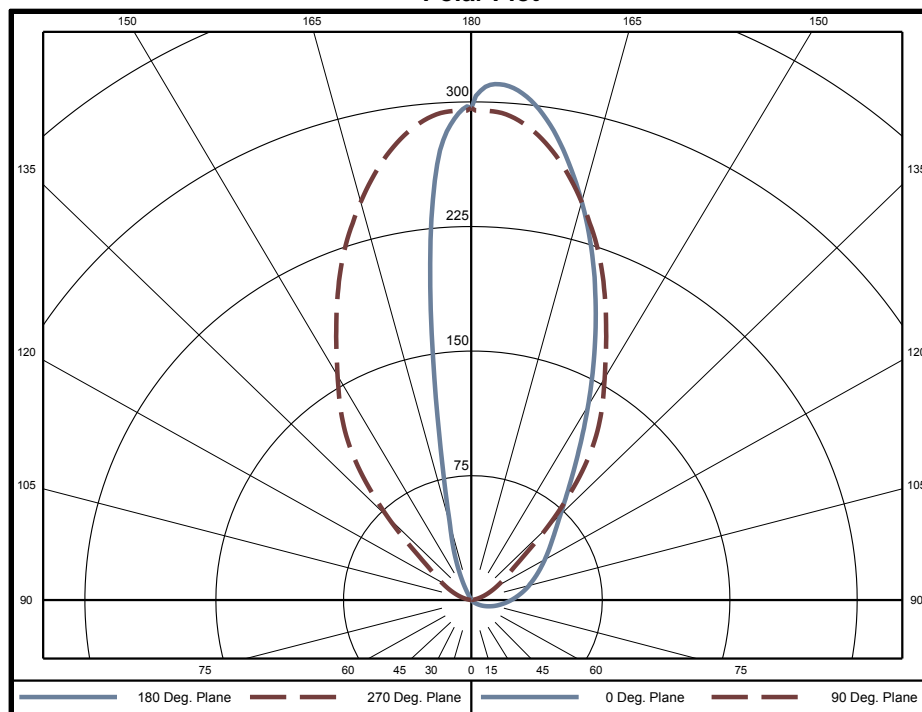
Luminaire Efficacy:

13.2 lm/w

Maximum Candela:

311 Candela

Polar Plot



Zonal Lumen Summary

Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire
0-5	0	0.0%	60-65	0.80	0.3%	120-125	10.91	3.6%
5-10	0	0.0%	65-70	1.17	0.4%	125-130	13.19	4.4%
10-15	0	0.0%	70-75	1.66	0.6%	130-135	16.61	5.5%
15-20	0	0.0%	75-80	2.24	0.7%	135-140	20.56	6.8%
20-25	0	0.0%	80-85	2.88	1.0%	140-145	23.87	7.9%
25-30	0	0.0%	85-90	3.58	1.2%	145-150	26.12	8.7%
30-35	0	0.0%	90-95	4.33	1.4%	150-155	27.87	9.3%
35-40	0	0.0%	95-100	5.18	1.7%	155-160	28.86	9.6%
40-45	0.02	0.0%	100-105	6.15	2.0%	160-165	28.20	9.4%
45-50	0.11	0.0%	105-110	7.18	2.4%	165-170	25.06	8.3%
50-55	0.26	0.1%	110-115	8.26	2.7%	170-175	18.60	6.2%
55-60	0.49	0.2%	115-120	9.42	3.1%	175-180	6.98	2.3%

Zone	Lumens	% of Luminaire
0-40	0	0.0%
0-60	1	0.3%
0-90	13	4.4%
90-180	287	95.6%



Candela Tabulation
Horizontal Angle (Degrees)

Vertical Angle (Degrees)	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	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
50	2.6	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9
55	4.3	3.5	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	3.5
60	6.3	5.3	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	5.3
65	8.6	7.5	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	7.5
70	10.9	9.9	5.7	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	5.7	9.9
75	13.7	12.5	7.9	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	7.9	12.5
80	16.5	15.4	10.4	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	10.4	15.4
85	19.6	18.5	13.2	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	13.2	18.5
90	23.0	21.8	16.2	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	16.2	21.8
95	26.6	25.5	19.6	10.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	10.7	19.6	25.5
100	30.4	29.4	23.4	13.7	1.9	0.0	0.0	0.0	0.0	0.0	0.0	1.9	13.7	23.4	29.4	30.4
105	34.5	33.7	27.7	17.1	4.9	0.0	0.0	0.0	0.0	0.0	0.0	4.9	17.1	27.7	33.7	34.5
110	38.6	38.4	32.6	21.0	8.6	0.0	0.0	0.0	0.0	0.0	0.0	8.6	21.0	32.6	38.4	38.6
115	43.4	43.9	37.9	25.4	13.0	0.0	0.0	0.0	0.0	0.0	0.0	13.0	25.4	37.9	43.9	43.4
120	48.8	50.3	45.4	31.2	18.6	0.0	0.0	0.0	0.0	0.0	0.0	18.6	31.2	45.4	50.3	48.8
125	54.9	58.4	57.9	41.5	25.6	1.1	0.0	0.0	0.0	0.0	1.1	25.6	41.5	57.9	58.4	54.9
130	62.3	69.2	75.3	60.5	37.7	6.2	0.0	0.0	0.0	0.0	6.2	37.7	60.5	75.3	69.2	62.3
135	72.3	83.4	96.8	88.3	65.9	13.7	0.0	0.0	0.0	0.0	13.7	65.9	88.3	96.8	83.4	72.3
140	86.6	101.2	120.6	119.6	101.1	22.1	0.2	0.0	0.0	0.0	22.1	101.1	119.6	120.6	101.2	86.6
145	106.6	122.3	144.8	148.8	131.2	32.9	6.4	0.0	0.0	0.0	32.9	131.2	148.8	144.8	122.3	106.6
150	133.7	148.5	170.7	174.4	156.7	51.4	16.6	3.6	1.0	3.6	51.4	156.7	174.4	170.7	148.5	133.7
155	167.7	180.0	198.9	200.1	186.9	84.0	29.6	15.7	13.1	15.7	84.0	186.9	200.1	198.9	180.0	167.7
160	207.0	217.4	231.5	230.0	219.9	136.1	48.2	32.0	29.8	32.0	136.1	219.9	230.0	231.5	217.4	207.0
165	246.7	256.2	264.1	259.2	248.9	198.2	92.1	57.0	53.0	57.0	198.2	248.9	259.2	264.1	256.2	246.7
170	283.3	288.1	288.8	281.8	274.5	251.7	180.1	127.8	123.6	127.8	251.7	274.5	281.8	288.8	288.1	283.3
175	308.1	308.4	303.8	297.1	291.3	281.3	265.3	248.8	253.5	248.8	265.3	281.3	291.3	297.1	303.8	308.1
180	296.3	296.3	296.3	296.3	296.3	296.3	296.3	296.3	296.3	296.3	296.3	296.3	296.3	296.3	296.3	296.3

Average Luminance (cd/m²)
Horizontal Angle (Degrees)

Vertical Angle (Degrees)	Horizontal Angle (Degrees)		
	0	45	90
0	0	0	0
45	54	0	0
55	194	41	0
65	389	185	0
75	645	401	0
85	993	720	0