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Indoor Distribution Test Report

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

Prepared For
Tempo Industries Inc

1961 McGaw Ave
Irvine, CA 92614
United States

Catalog Number
C6RX00-12-503012-UNVE10-S35S-NA

Order Number

11870572

Test Number

11870572.06

Test Date

2017-07-20

Prepared By

William Escobar, Technician

Approved By

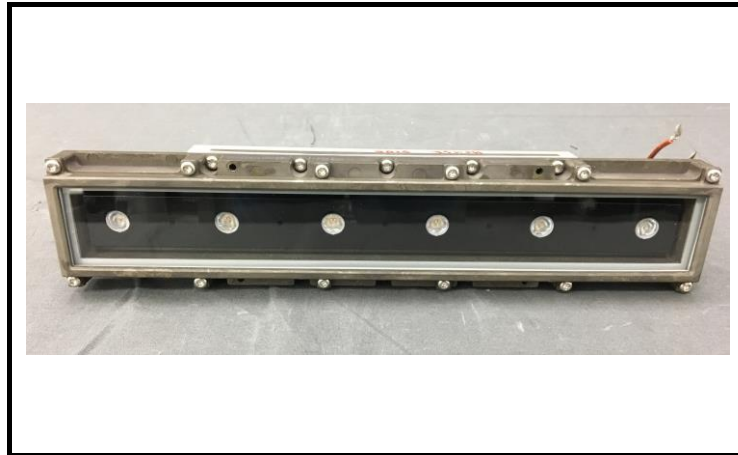
Yilmaz Yucelidag, Project Handler

The results contained in this report pertain only to the tested sample.
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Luminaire Description: Formed brown metal housing with clear lens
Lamp: Six (6) white LEDs with optics below each
Mounting: Surface – Ceiling
Ballast/Driver: One (1) Magtech M18-U36-0500 (ELV)

Luminaire



Luminaire Characteristics

Luminous Length: 1.50 in.
Luminous Width: 11.50 in.

Summary of Results

Total Luminaire Output: 723.6 Lumens
Luminaire Efficacy: 73.9 lm/w
Maximum Candela: 1744 Candela

Test Conditions

Test Temperature: 24.2 °C
Voltage: 120.1 VAC
Current: 0.08196 A
Power: 9.787 W
Power Factor: 0.995
Frequency: 60 Hz
Current THD: 8.29 %

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



Distribution - Goniophotometer

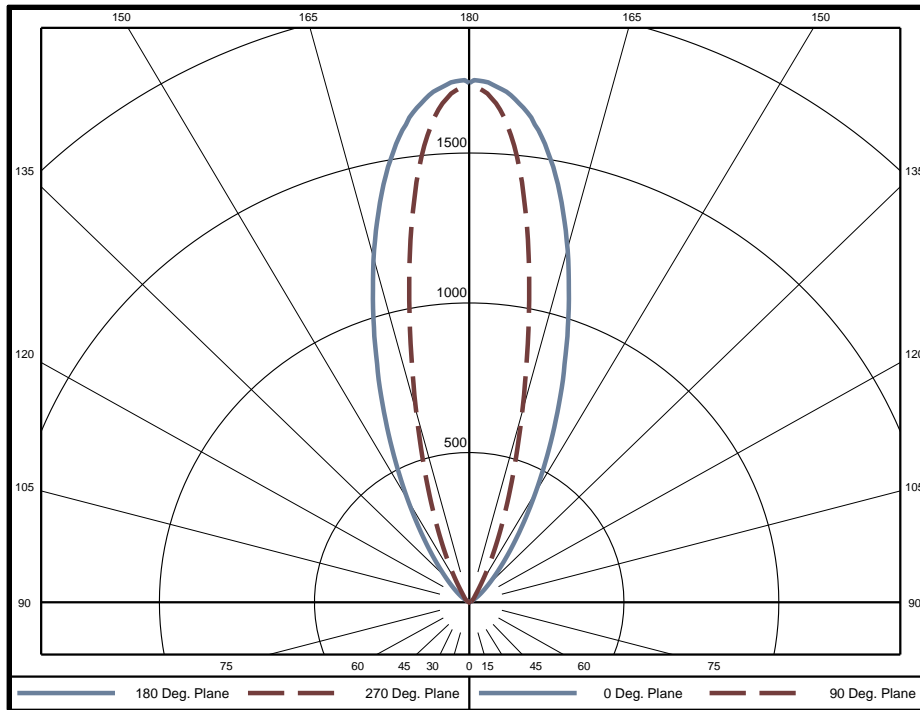
Distribution Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.2 °C	120.1 VAC	0.08196 A	9.787 W	0.995	60 Hz	8.29 %

Summary of Results

Total Lumen Output:	723.6 Lumens
Luminaire Efficacy:	73.9 lm/w
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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	6.7	0.9%
5-10	0	0.0%	65-70	0	0.0%	125-130	10.5	1.5%
10-15	0	0.0%	70-75	0	0.0%	130-135	15.3	2.1%
15-20	0	0.0%	75-80	0	0.0%	135-140	22.5	3.1%
20-25	0	0.0%	80-85	0	0.0%	140-145	33.6	4.6%
25-30	0	0.0%	85-90	0	0.0%	145-150	50.5	7.0%
30-35	0	0.0%	90-95	0.0	0.0%	150-155	74.1	10.2%
35-40	0	0.0%	95-100	0.1	0.0%	155-160	101.4	14.0%
40-45	0	0.0%	100-105	0.4	0.1%	160-165	125.0	17.3%
45-50	0	0.0%	105-110	0.8	0.1%	165-170	132.0	18.2%
50-55	0	0.0%	110-115	1.7	0.2%	170-175	105.1	14.5%
55-60	0	0.0%	115-120	3.5	0.5%	175-180	40.2	5.6%

Zone	Lumens	% of Luminaire
0-40	0	0.0%
0-60	0	0.0%
0-90	0	0.0%
90-180	723	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
5	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
15	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
25	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
35	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
45	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
55	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
65	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
75	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
85	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100	0	0	0	1	1	1	0	0	0	0	0	1	1	1	0	0
105	0	0	0	2	2	2	0	0	0	0	0	2	2	2	0	0
110	1	1	2	4	4	4	2	1	1	1	2	4	4	4	2	1
115	2	2	7	6	6	6	7	2	2	2	7	6	6	6	7	2
120	9	11	12	10	9	10	12	11	9	11	12	10	9	10	12	11
125	28	25	17	14	13	14	17	25	28	25	17	14	13	14	17	25
130	54	42	25	18	17	18	25	42	54	42	25	18	17	18	25	42
135	95	69	38	24	23	24	38	69	95	69	38	24	23	24	38	69
140	160	116	63	35	31	35	63	116	160	116	63	35	31	35	63	116
145	267	193	109	61	49	61	109	193	267	193	109	61	49	61	109	193
150	427	324	190	118	97	118	190	324	427	324	190	118	97	118	190	324
155	645	530	332	228	199	228	332	530	645	530	332	228	199	228	332	530
160	911	810	568	422	378	422	568	810	911	810	568	422	378	422	568	810
165	1218	1137	917	738	676	738	917	1137	1218	1137	917	738	676	738	917	1137
170	1501	1450	1319	1187	1127	1187	1319	1450	1501	1450	1319	1187	1127	1187	1319	1450
175	1686	1665	1628	1592	1565	1592	1628	1665	1686	1665	1628	1592	1565	1592	1628	1665
180	1734	1734	1734	1734	1734	1734	1734	1734	1734	1734	1734	1734	1734	1734	1734	1734

Vertical Angle (Degrees)



Utilization of Lumens - 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 Lumens delivered to the task surface **																	
0	689	689	689	689	589	589	589	589	402	402	402	231	231	231	74	74	74	0
1	627	598	572	548	534	511	491	472	350	338	326	201	195	190	64	63	61	0
2	570	521	481	447	485	446	414	386	306	286	269	176	167	158	57	54	51	0
3	519	457	409	371	441	392	353	321	269	245	225	155	143	133	50	46	44	0
4	473	402	351	311	402	345	303	270	237	211	190	137	124	112	44	40	37	0
5	433	356	303	263	368	306	262	229	211	183	162	122	107	96	39	35	32	0
6	397	317	263	225	337	272	228	196	188	160	139	109	94	82	35	31	27	0
7	365	284	231	194	310	244	200	169	169	141	120	98	83	71	32	27	24	0
8	337	255	204	169	286	220	177	147	152	124	104	88	73	62	29	24	21	0
9	312	231	181	148	265	199	157	129	138	111	92	80	65	55	26	21	18	0
10	289	210	162	130	247	181	140	113	125	99	81	73	58	48	24	19	16	0