



UL LLC
1075 W Lambert Rd Suite B
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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
C6R00-12-305012-UNVE10-S35S-LG

Order Number

11870572

Test Number

11870572.01

Test Date

2017-07-18

Prepared By

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Approved By

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The results contained in this report pertain only to the tested sample.
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Luminaire Description: Formed gray metal housing with semi-diffuse lens
Lamp: Six (6) white LEDs
Mounting: Surface – Ceiling
Ballast/Driver: One (1) Magtech M18-U18-0500 (ELV)

Luminaire



Luminaire Characteristics

Luminous Length: 2.00 in.
Luminous Width: 12.00 in.
Luminous Height: 0.75 in.

Summary of Results

Total Luminaire Output: 656.0 Lumens
Luminaire Efficacy: 67.9 lm/w
Maximum Candela: 1368 Candela

Test Conditions

Test Temperature: 24.9 °C
Voltage: 120.1 VAC
Current: 0.08083 A
Power: 9.656 W
Power Factor: 0.995
Frequency: 60 Hz
Current THD: 7.86 %

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



Distribution - Goniophotometer

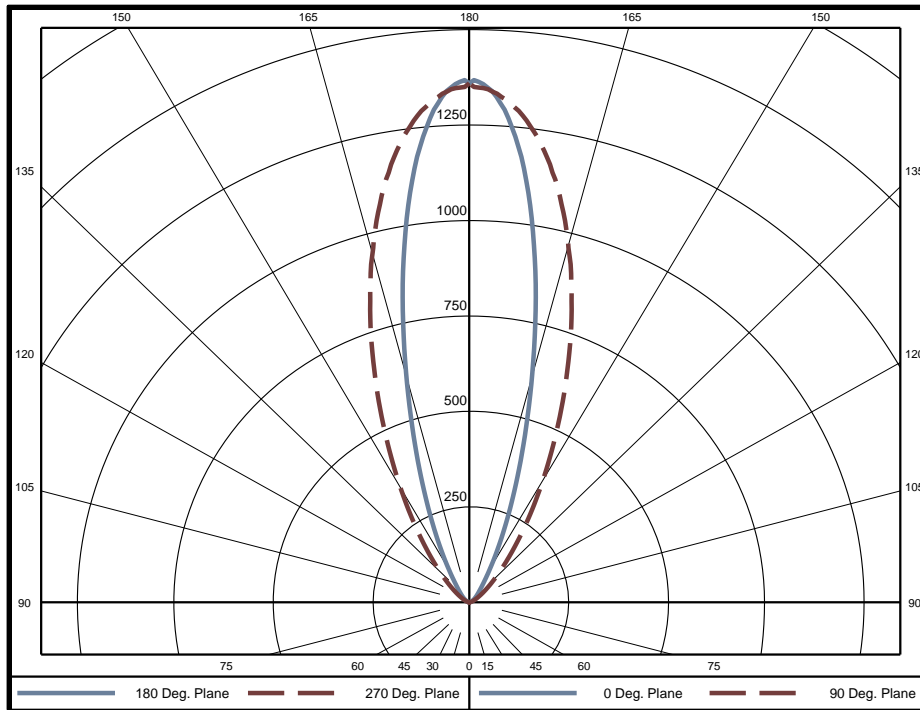
Distribution Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.9 °C	120.1 VAC	0.08083 A	9.656 W	0.995	60 Hz	7.86 %

Summary of Results

Total Lumen Output:	656.0 Lumens
Luminaire Efficacy:	67.9 lm/w
Maximum Candela:	1368 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	0.0%	120-125	8.5	1.3%
5-10	0	0.0%	65-70	0	0.0%	125-130	12.2	1.9%
10-15	0	0.0%	70-75	0	0.0%	130-135	17.3	2.6%
15-20	0	0.0%	75-80	0	0.0%	135-140	24.7	3.8%
20-25	0	0.0%	80-85	0.0	0.0%	140-145	35.4	5.4%
25-30	0	0.0%	85-90	0.1	0.0%	145-150	50.5	7.7%
30-35	0	0.0%	90-95	0.3	0.0%	150-155	70.0	10.7%
35-40	0	0.0%	95-100	0.8	0.1%	155-160	91.1	13.9%
40-45	0	0.0%	100-105	1.6	0.2%	160-165	107.5	16.4%
45-50	0	0.0%	105-110	2.7	0.4%	165-170	108.4	16.5%
50-55	0	0.0%	110-115	4.1	0.6%	170-175	83.2	12.7%
55-60	0	0.0%	115-120	5.9	0.9%	175-180	31.5	4.8%

Zone	Lumens	% of Luminaire
0-40	0	0.0%
0-60	0	0.0%
0-90	0	0.0%
90-180	656	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	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
100	2	2	2	3	3	3	2	2	2	2	2	3	3	3	2	2
105	3	3	4	4	5	4	4	3	3	3	4	4	5	4	4	3
110	5	6	6	7	9	7	6	6	5	6	6	7	9	7	6	6
115	8	8	9	11	15	11	9	8	8	8	9	11	15	11	9	8
120	11	12	13	18	23	18	13	12	11	12	13	18	23	18	13	12
125	15	17	20	28	37	28	20	17	15	17	20	28	37	28	20	17
130	21	23	29	46	60	46	29	23	21	23	29	46	60	46	29	23
135	30	32	44	73	97	73	44	32	30	32	44	73	97	73	44	32
140	42	47	71	117	154	117	71	47	42	47	71	117	154	117	71	47
145	66	77	116	189	243	189	116	77	66	77	116	189	243	189	116	77
150	116	134	194	300	368	300	194	134	116	134	194	300	368	300	194	134
155	211	237	321	462	537	462	321	237	211	237	321	462	537	462	321	237
160	371	407	514	675	744	675	514	407	371	407	514	675	744	675	514	407
165	622	663	775	914	960	914	775	663	622	663	775	914	960	914	775	663
170	951	977	1054	1138	1165	1138	1054	977	951	977	1054	1138	1165	1138	1054	977
175	1249	1256	1273	1298	1302	1298	1273	1256	1249	1256	1273	1298	1302	1298	1273	1256
180	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359

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	625	625	625	625	534	534	534	534	365	365	365	209	209	209	67	67	67	0
1	568	542	518	497	484	464	445	428	317	306	296	183	177	172	58	57	56	0
2	517	472	436	405	440	405	375	350	277	260	244	160	151	143	51	49	47	0
3	471	414	371	336	400	355	320	291	244	222	204	141	130	120	45	42	39	0
4	429	365	318	282	365	313	275	245	215	191	172	125	112	102	40	37	34	0
5	392	323	274	239	333	277	237	208	191	166	147	111	97	87	36	32	29	0
6	360	287	239	204	306	247	207	178	170	145	126	99	85	75	32	28	25	0
7	331	257	210	176	281	221	182	154	153	127	109	89	75	65	29	25	21	0
8	305	231	185	153	260	199	160	134	138	113	95	80	66	56	26	22	19	0
9	283	209	164	134	241	180	143	117	125	100	83	73	59	50	24	19	16	0
10	262	190	147	118	224	164	127	103	114	90	73	66	53	44	22	17	14	0