



UL LLC
1075 W Lambert Rd Suite B
Brea, CA 92821

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
C6R00-12-503012-UNVE10-S35S-LG
Order Number
11870572
Test Number
11870572.03

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: 666.5 Lumens
Luminaire Efficacy: 67.7 lm/w
Maximum Candela: 1416 Candela

Test Conditions

Test Temperature: 24.5 °C
Voltage: 120.1 VAC
Current: 0.08243 A
Power: 9.843 W
Power Factor: 0.995
Frequency: 60 Hz
Current THD: 8.26 %

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



Distribution - Goniophotometer

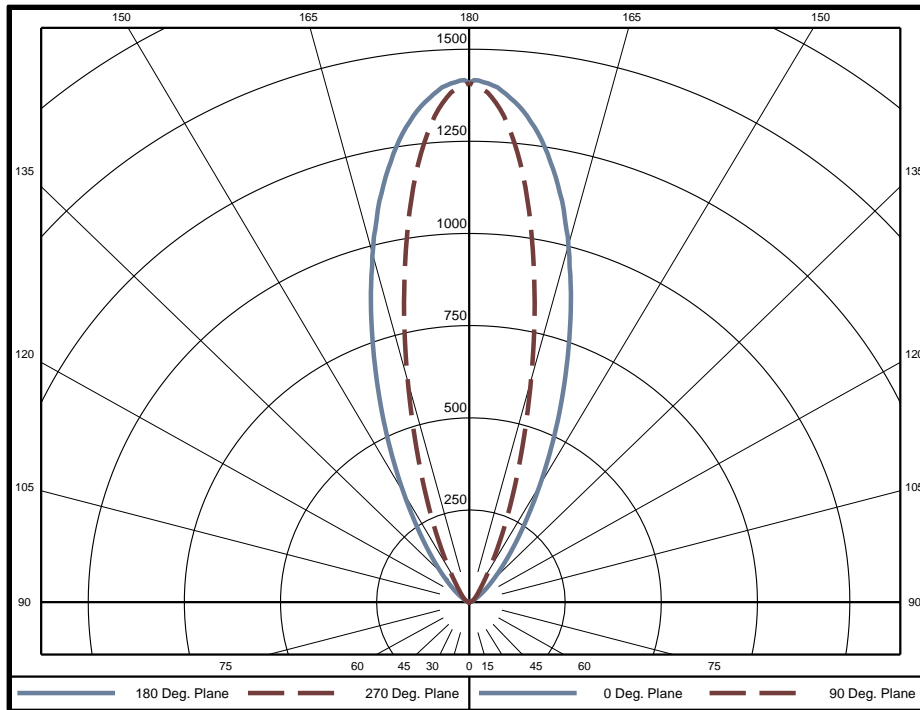
Distribution Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.5 °C	120.1 VAC	0.08243 A	9.843 W	0.995	60 Hz	8.26 %

Summary of Results

Total Lumen Output:	666.5 Lumens
Luminaire Efficacy:	67.7 lm/w
Maximum Candela:	1416 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	0.1	0.0%	120-125	8.7	1.3%
5-10	0	0.0%	65-70	0.1	0.0%	125-130	12.3	1.8%
10-15	0	0.0%	70-75	0.1	0.0%	130-135	17.1	2.6%
15-20	0	0.0%	75-80	0.1	0.0%	135-140	24.2	3.6%
20-25	0	0.0%	80-85	0.2	0.0%	140-145	34.7	5.2%
25-30	0	0.0%	85-90	0.3	0.0%	145-150	49.8	7.5%
30-35	0	0.0%	90-95	0.6	0.1%	150-155	69.9	10.5%
35-40	0	0.0%	95-100	1.2	0.2%	155-160	92.1	13.8%
40-45	0	0.0%	100-105	2.1	0.3%	160-165	109.6	16.4%
45-50	0	0.0%	105-110	3.1	0.5%	165-170	111.3	16.7%
50-55	0	0.0%	110-115	4.4	0.7%	170-175	85.8	12.9%
55-60	0.0	0.0%	115-120	6.2	0.9%	175-180	32.6	4.9%

Zone	Lumens	% of Luminaire
0-40	0	0.0%
0-60	0	0.0%
0-90	1	0.1%
90-180	666	99.9%



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	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
80	1	1	0	0	0	0	0	1	1	1	0	0	0	0	0	1
85	1	1	1	0	0	0	1	1	1	1	1	0	0	0	1	1
90	1	1	1	0	0	0	1	1	1	1	1	0	0	0	1	1
95	2	2	2	1	0	1	2	2	2	2	2	1	0	1	2	2
100	3	3	3	3	2	3	3	3	3	3	3	3	2	3	3	3
105	5	5	5	5	4	5	5	5	5	5	5	5	4	5	5	5
110	8	7	7	7	7	7	7	7	8	7	7	7	7	7	7	7
115	12	11	10	9	10	9	10	11	12	11	10	9	10	9	10	11
120	19	18	15	13	12	13	15	18	19	18	15	13	12	13	15	18
125	33	29	21	17	16	17	21	29	33	29	21	17	16	17	21	29
130	57	46	29	23	22	23	29	46	57	46	29	23	22	23	29	46
135	93	72	44	31	29	31	44	72	93	72	44	31	29	31	44	72
140	149	116	70	46	41	46	70	116	149	116	70	46	41	46	70	116
145	236	187	115	75	64	75	115	187	236	187	115	75	64	75	115	187
150	367	298	194	131	113	131	194	298	367	298	194	131	113	131	194	298
155	545	463	323	237	209	237	323	463	545	463	323	237	209	237	323	463
160	760	681	523	413	373	413	523	681	760	681	523	413	373	413	523	681
165	996	934	791	679	632	679	791	934	996	934	791	679	632	679	791	934
170	1213	1176	1081	1004	967	1004	1081	1176	1213	1176	1081	1004	967	1004	1081	1176
175	1361	1349	1315	1291	1274	1291	1315	1349	1361	1349	1315	1291	1274	1291	1315	1349
180	1408	1408	1408	1408	1408	1408	1408	1408	1408	1408	1408	1408	1408	1408	1408	1408

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	635	635	635	635	543	543	543	543	371	371	371	213	213	213	69	69	69	1
1	577	550	526	505	492	471	452	435	322	311	301	186	180	175	60	58	57	0
2	525	480	442	411	447	411	381	355	282	264	248	163	153	145	52	50	47	0
3	478	421	376	341	407	361	325	296	248	226	207	143	132	122	46	43	40	0
4	436	371	323	286	371	318	279	248	219	194	175	127	114	104	41	37	34	0
5	398	328	279	242	339	282	241	211	194	168	149	112	99	88	36	32	29	0
6	365	292	242	207	310	251	210	180	173	147	128	100	87	76	33	28	25	0
7	336	261	213	179	286	225	184	156	155	129	110	90	76	66	29	25	22	0
8	310	235	188	155	264	202	163	136	140	114	96	82	68	57	26	22	19	0
9	287	213	167	136	244	183	145	119	127	102	84	74	60	50	24	20	17	0
10	267	193	149	120	227	166	129	104	115	91	74	67	54	44	22	18	15	0