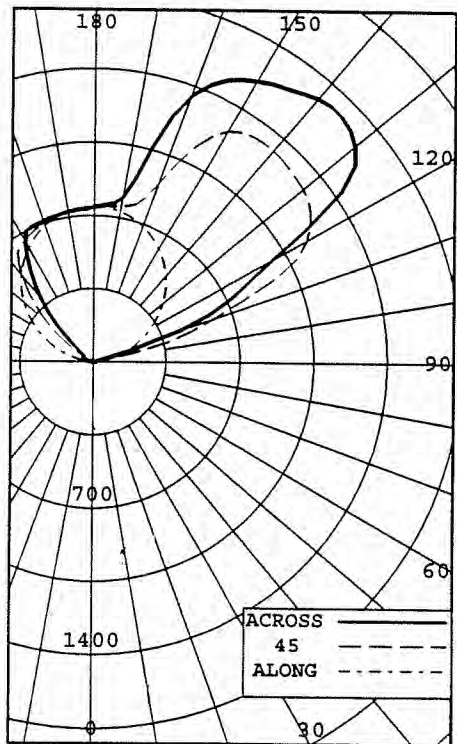




ELECTRIX INC. - FLUORESCENT COVE LUMINAIRE - LUMILEGE, CAT# LLSR7-GTP-54
WHITE INTERIOR WITH DIFFUSE REFLECTOR AND NO LENS
ONE PHILIPS 54 WATT T5 LAMP, CAT# FP54T5/841/HO. LUMEN RATING = 4500 LMS.
ONE ADVANCE ICN-2S54 BALLAST OPERATING AT 120 VAC AND 63 WATTS

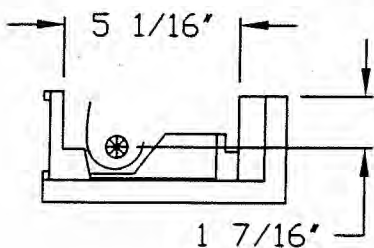
ANGLE	INTENSITY (CANDLEPOWER) SUMMARY					OUTPUT LUMENS
	ALONG	BEAM SIDE			ACROSS	
		67.5	45	22.5		
180	742	742	742	742	742	
175	742	740	751	752	756	36
170	731	736	758	775	803	
165	714	728	784	915	1064	121
160	691	717	918	1217	1361	
155	661	711	1143	1393	1488	249
150	626	732	1277	1466	1553	
145	585	806	1320	1505	1601	371
140	538	896	1325	1535	1650	
135	488	942	1314	1560	1665	470
130	434	929	1297	1539	1619	
125	376	878	1258	1452	1438	493
120	316	805	1170	1147	973	
115	255	724	956	775	726	362
110	193	628	605	544	442	
105	134	477	373	156	37	150
100	80	239	56	22	17	
95	33	41	13	6	2	16
90	0	0	0	0	0	



BOTH SIDES
ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	% LUMINAIRE
180-150	700	15.57	22.78
180-140	1250	27.80	40.66
180-120	2460	54.67	79.98
180-90	3076	68.36	100.00
140-90	1825	40.56	59.34
120-90	616	13.69	20.02
0-90	0	0.00	0.00
0-180	3076	68.36	100.00

** EFFICIENCY: 68.4% **



CERTIFIED BY:

Tan Lewin

DATE:

JUN 21, 2006

PREPARED FOR:

ELECTRIX INC.
NEW HAVEN, CT

TESTED IN ACCORDANCE WITH IES PROCEDURES.

LIGHTING SCIENCES
7826 E. EVANS RD.
SCOTTSDALE, AZ, USA 85260

CERTIFIED TEST REPORT No.

21313

ELECTRIX INC. - FLUORESCENT COVE LUMINAIRE - LUMILEGE, CAT# LLSR7-GTP-54
WHITE INTERIOR WITH DIFFUSE REFLECTOR AND NO LENS
ONE PHILIPS 54 WATT T5 LAMP, CAT# FP54T5/841/HO. LUMEN RATING = 4500 LMS.
ONE ADVANCE ICN-2S54 BALLAST OPERATING AT 120 VAC AND 63 WATTS

BEAM SIDE
INTENSITY (CANDLEPOWER) DATA
IN 2.5 DEGREE STEPS

ANGLE	PLANE						OUTPUT LUMENS
	ALONG	67.5	45	22.5	ACROSS	AVERAGE	
180.0	742	742	742	742	742	742	
177.5	745	740	748	746	748	745	
175.0	742	740	751	752	756	748	36
172.5	738	739	754	760	770	752	
170.0	731	736	758	775	803	759	
167.5	724	732	765	817	896	781	
165.0	714	728	784	915	1064	829	121
162.5	703	723	831	1068	1235	898	
160.0	691	717	918	1217	1361	970	
157.5	677	712	1034	1326	1437	1032	
155.0	661	711	1143	1393	1488	1080	249
152.5	644	716	1226	1436	1524	1116	
150.0	626	732	1277	1466	1553	1141	
147.5	606	762	1306	1488	1578	1162	
145.0	585	806	1320	1505	1601	1181	371
142.5	562	854	1326	1519	1625	1198	
140.0	538	896	1325	1535	1650	1213	
137.5	514	927	1321	1550	1666	1222	
135.0	488	942	1314	1560	1665	1223	470
132.5	461	942	1305	1557	1651	1215	
130.0	434	929	1297	1539	1619	1198	
127.5	405	908	1284	1506	1564	1171	
125.0	376	878	1258	1452	1438	1124	493
122.5	346	843	1221	1346	1197	1045	
120.0	316	805	1170	1147	973	942	
117.5	286	764	1094	927	831	836	
115.0	255	724	956	775	726	736	362
112.5	223	680	763	664	594	629	
110.0	193	628	605	544	442	524	
107.5	163	566	492	375	184	402	
105.0	134	477	373	156	37	273	150
102.5	106	353	194	40	24	163	
100.0	80	239	56	22	17	91	
97.5	55	127	24	14	10	49	
95.0	33	41	13	6	2	19	16
92.5	13	14	4	0	0	6	
90.0	0	0	0	0	0	0	

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WHITE INTERIOR WITH DIFFUSE REFLECTOR AND NO LENS
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ONE ADVANCE ICN-2S54 BALLAST OPERATING AT 120 VAC AND 63 WATTS

OPPOSITE SIDE TO BEAM
INTENSITY (CANDLEPOWER) DATA
IN 2.5 DEGREE STEPS

ANGLE	PLANE						OUTPUT LUMENS
	ALONG	112.5	135	157.5	ACROSS	AVERAGE	
180.0	742	742	742	742	742	742	
177.5	745	737	742	738	737	739	
175.0	742	734	740	736	735	737	36
172.5	738	730	736	734	733	734	
170.0	731	725	732	730	730	729	
167.5	724	718	727	725	727	724	
165.0	714	709	720	721	723	717	101
162.5	703	699	712	717	720	710	
160.0	691	688	703	714	718	702	
157.5	677	676	695	709	715	694	
155.0	661	662	686	704	712	685	157
152.5	644	647	677	695	704	673	
150.0	626	630	666	664	657	650	
147.5	606	612	653	605	593	617	
145.0	585	594	635	542	527	582	180
142.5	562	575	589	476	457	538	
140.0	538	555	530	409	389	489	
137.5	514	534	471	341	319	441	
135.0	488	512	410	275	250	391	150
132.5	461	488	349	210	185	343	
130.0	434	464	288	150	125	295	
127.5	405	434	228	103	88	253	
125.0	376	384	169	74	69	212	96
122.5	346	331	117	57	54	176	
120.0	316	279	79	50	54	148	
117.5	286	227	56	50	53	126	
115.0	255	176	44	48	51	105	52
112.5	223	126	40	44	45	86	
110.0	193	82	39	37	38	68	
107.5	163	50	35	34	37	55	
105.0	134	30	29	34	36	45	25
102.5	106	24	28	32	34	38	
100.0	80	22	26	30	33	33	
97.5	55	18	23	26	29	28	
95.0	33	16	19	19	22	20	10
92.5	13	10	10	8	12	10	
90.0	0	0	0	0	0	0	

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ONE ADVANCE ICN-2S54 BALLAST OPERATING AT 120 VAC AND 63 WATTS

COEFFICIENTS OF UTILIZATION

ZONAL CAVITY METHOD

EFFECTIVE FLOOR CAVITY REFLECTANCE = .20

CC WALL	90				80				70				50				30				10				0	
	70	50	30	10	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																										
0	0.750	.750	.750	.75	0.650	.650	.650	.65	0.560	.560	.560	.56	0.380	.380	.38	0.220	.220	.22	0.070	.070	.07	0.00				
1	0.680	.650	.620	.60	0.590	.560	.540	.52	0.510	.480	.460	.44	0.330	.320	.31	0.190	.180	.18	0.060	.060	.06	0.00				
2	0.620	.560	.520	.48	0.540	.490	.450	.42	0.460	.420	.390	.36	0.290	.270	.25	0.170	.160	.15	0.050	.050	.05	0.00				
3	0.560	.490	.440	.40	0.490	.430	.390	.35	0.420	.370	.330	.30	0.250	.230	.21	0.150	.140	.13	0.050	.040	.04	0.00				
4	0.510	.430	.380	.33	0.450	.380	.330	.29	0.380	.330	.290	.25	0.220	.200	.18	0.130	.120	.11	0.040	.040	.03	0.00				
5	0.470	.370	.320	.28	0.410	.330	.290	.25	0.350	.290	.250	.22	0.200	.170	.15	0.120	.100	.09	0.040	.030	.03	0.00				
6	0.430	.340	.280	.24	0.370	.300	.250	.21	0.320	.260	.220	.19	0.180	.150	.13	0.100	.090	.08	0.030	.030	.03	0.00				
7	0.400	.300	.250	.21	0.340	.270	.220	.18	0.290	.230	.190	.16	0.160	.130	.11	0.090	.080	.07	0.030	.030	.02	0.00				
8	0.360	.270	.220	.18	0.320	.240	.190	.16	0.270	.210	.170	.14	0.140	.120	.10	0.080	.070	.06	0.030	.020	.02	0.00				
9	0.340	.250	.190	.16	0.290	.220	.170	.14	0.250	.190	.150	.12	0.130	.100	.09	0.080	.060	.05	0.020	.020	.02	0.00				
10	0.310	.220	.170	.14	0.270	.200	.150	.12	0.230	.170	.130	.11	0.120	.090	.08	0.070	.050	.05	0.020	.020	.02	0.00				

LUMINAIRE INPUT WATTS = 63.0

LABORATORY RESULTS MAY NOT BE REPRESENTATIVE OF FIELD PERFORMANCE.
BALLAST AND FIELD FACTORS HAVE NOT BEEN APPLIED.

TEST DISTANCE EXCEEDS FIVE TIMES THE GREATEST
LUMINOUS OPENING OF LUMINAIRE.