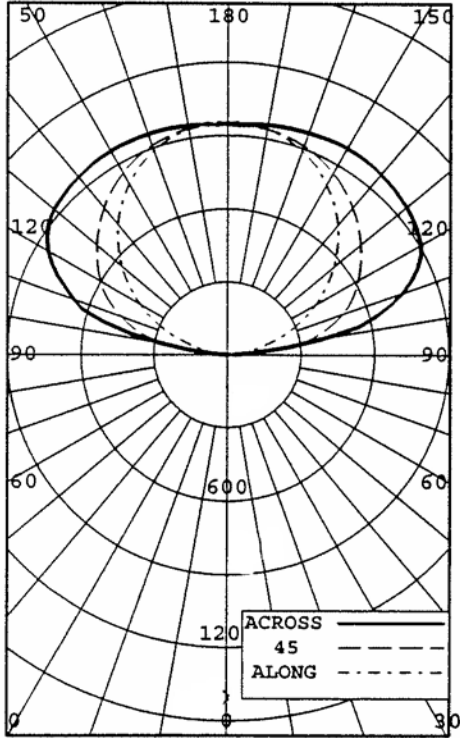




ELECTRIX INC. - FLUORESCENT COVE LUMINAIRE - LUMILEGE, CAT# LLSR7-GTA-54
WITH WHITE INTERIOR AND NO LENS
ONE PHILIPS 54 WATT T5 LAMP, CAT# F54T5/841/HO. LUMEN RATING = 4500 LMS.
ONE ADVANCE ICN-2S54 BALLAST OPERATING AT 120 VAC AND 63 WATTS

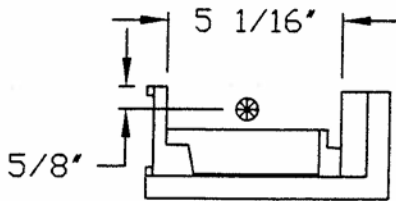


ANGLE	INTENSITY (CANDLEPOWER) SUMMARY					OUTPUT LUMENS
	ALONG	BEAM SIDE			ACROSS	
180	949	67.5	45	22.5	949	
175	952	949	949	949	950	46
170	940	935	940	947	959	
165	920	919	929	940	964	132
160	890	897	912	930	970	
155	854	868	890	915	976	207
150	808	831	863	896	979	
145	757	788	831	872	978	263
140	699	740	795	843	972	
135	634	687	754	808	962	294
130	565	630	710	771	949	
125	490	573	663	732	933	299
120	410	511	614	688	907	
115	329	451	565	633	851	276
110	247	392	504	558	759	
105	164	332	419	466	629	211
100	91	259	328	336	397	
95	34	155	151	145	103	76
90	0	0	0	0	0	

BOTH SIDES
ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	% LUMINAIRE
180-150	768	17.07	21.70
180-140	1291	28.70	36.49
180-120	2468	54.86	69.75
180-90	3539	78.65	100.00
140-90	2247	49.95	63.51
120-90	1070	23.79	30.25
0-90	0	0.00	0.00
0-180	3539	78.65	100.00

** EFFICIENCY: 78.7% **



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.

21309

ELECTRIX INC. - FLUORESCENT COVE LUMINAIRE - LUMILEEDGE, CAT# LLSR7-GTA-54
WITH WHITE INTERIOR AND NO LENS
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BEAM SIDE
INTENSITY (CANDLEPOWER) DATA
IN 2.5 DEGREE STEPS

ANGLE	PLANE						OUTPUT LUMENS
	ALONG	67.5	45	22.5	ACROSS	AVERAGE	
180.0	949	949	949	949	949	949	
177.5	956	948	946	948	946	948	
175.0	952	945	945	949	950	947	46
172.5	947	941	943	949	955	946	
170.0	940	935	940	947	959	943	
167.5	931	928	935	945	962	939	
165.0	920	919	929	940	964	933	132
162.5	906	909	922	935	966	926	
160.0	890	897	912	930	970	917	
157.5	873	883	902	923	973	908	
155.0	854	868	890	915	976	897	207
152.5	832	850	877	907	978	885	
150.0	808	831	863	896	979	871	
147.5	783	810	848	885	979	856	
145.0	757	788	831	872	978	840	263
142.5	729	765	814	858	976	822	
140.0	699	740	795	843	972	803	
137.5	668	714	774	826	967	783	
135.0	634	687	754	808	962	762	294
132.5	600	659	732	790	955	739	
130.0	565	630	710	771	949	717	
127.5	528	602	687	752	942	694	
125.0	490	573	663	732	933	670	299
122.5	451	542	638	711	920	644	
120.0	410	511	614	688	907	618	
117.5	370	481	590	663	883	590	
115.0	329	451	565	633	851	560	276
112.5	288	422	538	598	808	526	
110.0	247	392	504	558	759	489	
107.5	205	362	463	515	697	448	
105.0	164	332	419	466	629	403	211
102.5	126	300	375	419	547	357	
100.0	91	259	328	336	397	292	
97.5	60	214	246	243	245	214	
95.0	34	155	151	145	103	130	76
92.5	14	84	79	80	32	66	
90.0	0	0	0	0	0	0	

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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	949	949	949	949	949	949	
177.5	956	950	948	949	946	950	
175.0	952	948	948	950	950	949	46
172.5	947	945	947	950	955	948	
170.0	940	941	943	947	957	945	
167.5	931	934	938	943	959	940	
165.0	920	925	931	938	962	934	132
162.5	906	914	923	932	963	926	
160.0	890	902	914	925	964	917	
157.5	873	887	903	917	965	907	
155.0	854	872	890	908	966	895	206
152.5	832	854	876	897	966	881	
150.0	808	834	862	885	965	867	
147.5	783	813	845	873	964	851	
145.0	757	792	828	859	962	834	261
142.5	729	769	810	843	957	816	
140.0	699	744	790	826	954	797	
137.5	668	718	769	810	950	776	
135.0	634	690	746	791	943	754	291
132.5	600	662	724	771	937	731	
130.0	565	632	701	752	928	708	
127.5	528	603	677	731	917	684	
125.0	490	572	653	709	900	657	293
122.5	451	542	627	682	877	629	
120.0	410	510	601	653	848	598	
117.5	370	479	574	620	811	566	
115.0	329	447	542	584	769	530	262
112.5	288	415	507	545	719	493	
110.0	247	383	468	503	673	453	
107.5	205	353	427	466	630	416	
105.0	164	322	385	420	534	369	190
102.5	126	282	343	344	414	310	
100.0	91	229	273	257	290	237	
97.5	60	183	197	176	170	168	
95.0	34	132	112	90	71	97	57
92.5	14	59	38	32	30	38	
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	0.860	0.860	0.860	0.86	0.750	0.750	0.750	0.75	0.640	0.640	0.640	0.64	0.440	0.440	0.44	0.250	0.250	0.25	0.080	0.080	0.08	0.00			
	1	0.780	0.740	0.710	0.69	0.680	0.650	0.620	0.60	0.580	0.560	0.530	0.51	0.380	0.370	0.35	0.220	0.210	0.21	0.070	0.070	0.07	0.00			
	2	0.710	0.650	0.590	0.55	0.620	0.560	0.520	0.48	0.530	0.480	0.450	0.42	0.330	0.310	0.29	0.190	0.180	0.17	0.060	0.060	0.06	0.00			
	3	0.650	0.570	0.510	0.46	0.560	0.500	0.450	0.40	0.480	0.430	0.380	0.35	0.290	0.270	0.25	0.170	0.160	0.14	0.050	0.050	0.05	0.00			
	4	0.590	0.500	0.430	0.38	0.510	0.440	0.380	0.34	0.440	0.380	0.330	0.29	0.260	0.230	0.21	0.150	0.130	0.12	0.050	0.040	0.04	0.00			
	5	0.540	0.430	0.370	0.32	0.470	0.380	0.330	0.29	0.400	0.330	0.280	0.25	0.230	0.200	0.18	0.130	0.120	0.10	0.040	0.040	0.03	0.00			
	6	0.500	0.390	0.320	0.28	0.430	0.340	0.290	0.24	0.370	0.300	0.250	0.21	0.200	0.170	0.15	0.120	0.100	0.09	0.040	0.030	0.03	0.00			
	7	0.460	0.350	0.280	0.24	0.400	0.310	0.250	0.21	0.340	0.260	0.220	0.18	0.180	0.150	0.13	0.110	0.090	0.08	0.030	0.030	0.03	0.00			
	8	0.420	0.320	0.250	0.21	0.360	0.280	0.220	0.18	0.310	0.240	0.190	0.16	0.160	0.130	0.11	0.100	0.080	0.07	0.030	0.030	0.02	0.00			
	9	0.390	0.280	0.220	0.18	0.340	0.250	0.200	0.16	0.290	0.210	0.170	0.14	0.150	0.120	0.10	0.090	0.070	0.06	0.030	0.020	0.02	0.00			
	10	0.360	0.260	0.200	0.16	0.310	0.230	0.170	0.14	0.270	0.200	0.150	0.12	0.140	0.110	0.09	0.080	0.060	0.05	0.030	0.020	0.02	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.