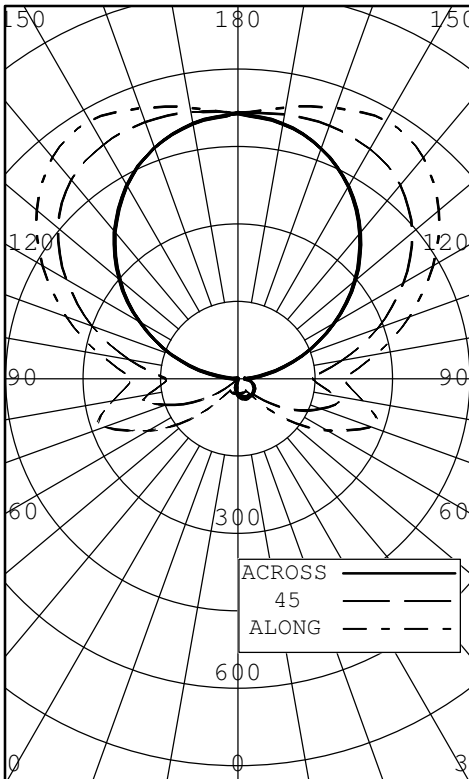


CERTIFIED TEST REPORT No. 25236

ELECTRIX INC - INDIRECT COVE LUMINAIRE, CAT# MX40FM1E24
 WITH WHITE REFLECTOR AND NO LENS
 ONE OSRAM 40W BIAX LAMP, CAT# DULUX L 40W/4100K. LUMEN RATING = 3150 LMS.
 ONE ADVANCE ICN-2S39 BALLAST OPERATING AT 120 VAC AND 49 WATTS

INTENSITY (CANDLEPOWER) SUMMARY OUTPUT LUMENS



ANGLE	ALONG 67.5	45	22.5	ACROSS	OUTPUT LUMENS
0	31	31	31	31	2
5	30	33	34	36	5
15	30	35	36	38	9
25	30	35	38	40	12
35	31	37	40	41	23
45	84	84	45	41	44
55	164	155	92	41	69
65	237	222	147	50	90
75	276	267	196	79	80
85	221	212	164	91	84
90	209	196	145	70	121
95	234	215	167	93	154
105	313	295	247	174	174
115	395	378	330	252	174
125	475	458	408	325	174
135	537	520	468	383	155
145	573	558	505	435	119
155	570	557	519	475	74
165	547	541	521	500	25
175	522	522	517	512	
180	515	515	515	515	

BOTH SIDES ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	23	0.72	0.82
0-40	39	1.22	1.39
0-60	144	4.57	5.18
0-90	594	18.85	21.37
40-90	555	17.62	19.99
60-90	450	14.28	16.19
90-180	2184	69.34	78.63
0-180	2778	88.18	100.00

** EFFICIENCY: 88.2% **

CERTIFIED BY:

DATE:
MAY 21, 2009

PREPARED FOR:
ELECTRIX INC
NEW HAVEN, CT

TESTED IN ACCORDANCE WITH IES PROCEDURES.

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

CERTIFIED TEST REPORT No. 25236

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BEAM SIDE
 INTENSITY (CANDLEPOWER) DATA

ANGLE	PLANE						OUTPUT LUMENS
	ALONG	67.5	45	22.5	ACROSS	AVERAGE	
0	31	31	31	31	31	31	
5	30	33	34	36	37	34	2
10	30	34	35	37	38	35	
15	30	35	36	38	40	36	5
20	30	35	37	40	41	37	
25	30	35	38	40	43	38	9
30	29	36	39	40	43	38	
35	31	37	40	41	42	39	12
40	48	52	41	41	42	45	
45	84	84	45	41	41	58	23
50	123	120	66	41	40	77	
55	164	155	92	41	39	98	44
60	202	191	121	42	37	118	
65	237	222	147	50	35	139	69
70	275	254	171	64	32	161	
75	276	267	196	79	28	174	90
80	247	239	192	93	25	165	
85	221	212	164	91	20	147	80
90	209	196	145	70	13	130	
95	234	215	167	93	28	152	84
100	271	252	205	133	58	189	
105	313	295	247	174	93	230	121
110	355	337	290	214	133	271	
115	395	378	330	252	173	311	154
120	437	419	371	290	216	351	
125	475	458	408	325	257	389	174
130	509	492	442	355	297	423	
135	537	520	468	383	334	452	174
140	560	543	491	410	369	477	
145	573	558	505	435	401	496	155
150	577	563	514	457	430	509	
155	570	557	519	475	454	516	119
160	559	550	522	489	474	519	
165	547	541	521	500	490	520	74
170	534	532	520	507	502	519	
175	522	522	517	512	509	517	25
180	515	515	515	515	515	515	

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ONE ADVANCE ICN-2S39 BALLAST OPERATING AT 120 VAC AND 49 WATTS

OPPOSITE SIDE TO BEAM
INTENSITY(CANDLEPOWER) DATA

ANGLE	PLANE						OUTPUT LUMENS
	ALONG	112.5	135	157.5	ACROSS	AVERAGE	
0	31	31	31	31	31	31	
5	30	29	27	27	27	28	1
10	30	27	24	23	23	25	
15	30	20	20	18	17	21	3
20	30	22	17	14	3	17	
25	30	21	10	7	1	13	3
30	29	19	6	3	1	11	
35	31	18	4	1	1	10	3
40	48	18	5	1	1	12	
45	84	46	4	0	1	23	10
50	123	84	18	1	1	41	
55	164	124	48	1	0	64	29
60	202	164	81	1	1	87	
65	237	200	117	9	0	111	56
70	275	239	148	31	0	139	
75	276	256	182	55	1	158	81
80	247	227	178	79	1	152	
85	221	202	151	75	1	135	74
90	209	193	141	66	2	126	
95	234	221	173	101	24	156	86
100	271	261	214	143	58	196	
105	313	305	258	186	97	238	126
110	355	349	302	227	138	281	
115	395	389	343	266	178	321	159
120	437	430	384	303	219	361	
125	475	470	421	338	261	399	178
130	509	503	455	368	299	433	
135	537	533	482	397	336	462	178
140	560	553	503	423	372	486	
145	573	565	516	447	403	504	158
150	577	567	523	468	432	516	
155	570	562	528	485	456	522	120
160	559	554	530	498	476	525	
165	547	544	529	508	491	525	74
170	534	534	525	513	503	523	
175	522	523	520	516	509	518	25
180	515	515	515	515	515	515	

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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	0.990	.990	.990	.99	0.880	.880	.880	.88	0.780	.780	.780	.78	0.590	.590	.59	0.420	.420	.42	0.260	.260	.26	0.19				
	1	0.880	.820	.770	.74	0.780	.730	.690	.65	0.690	.650	.610	.57	0.480	.460	.43	0.330	.310	.30	0.190	.180	.17	0.11				
	2	0.780	.700	.630	.57	0.700	.620	.560	.51	0.610	.550	.490	.45	0.400	.370	.33	0.270	.250	.23	0.150	.140	.12	0.07				
	3	0.710	.600	.520	.46	0.630	.540	.470	.41	0.550	.470	.410	.36	0.350	.300	.27	0.230	.200	.18	0.120	.110	.09	0.04				
	4	0.650	.530	.440	.38	0.570	.470	.400	.34	0.500	.410	.350	.30	0.300	.260	.22	0.200	.170	.15	0.110	.090	.07	0.03				
	5	0.590	.450	.380	.32	0.520	.410	.340	.28	0.450	.360	.300	.25	0.270	.220	.18	0.180	.140	.12	0.090	.070	.06	0.02				
	6	0.540	.410	.330	.27	0.480	.370	.290	.24	0.420	.320	.260	.21	0.240	.190	.16	0.160	.130	.10	0.080	.060	.05	0.02				
	7	0.490	.370	.280	.23	0.440	.330	.250	.20	0.380	.290	.220	.18	0.210	.160	.13	0.140	.110	.08	0.070	.050	.04	0.01				
	8	0.450	.330	.250	.20	0.400	.290	.220	.18	0.350	.260	.200	.16	0.190	.150	.11	0.130	.100	.07	0.070	.050	.03	0.01				
	9	0.420	.300	.220	.17	0.370	.270	.200	.15	0.330	.230	.180	.14	0.170	.130	.10	0.120	.090	.06	0.060	.040	.03	0.01				
	10	0.390	.270	.200	.15	0.350	.240	.180	.14	0.300	.210	.160	.12	0.160	.120	.09	0.110	.080	.06	0.060	.040	.03	0.01				

LUMINAIRE INPUT WATTS 49.0

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.