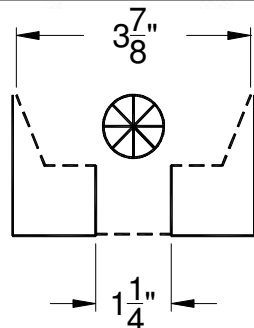
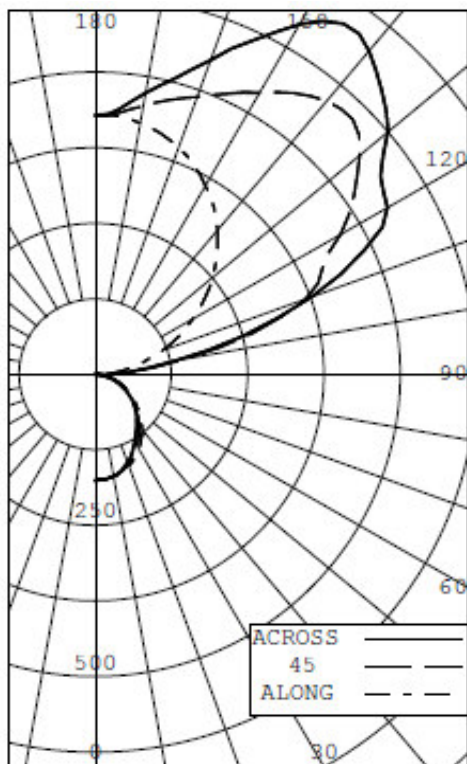




INDEPENDENT TEST LABORATORY REPORT No. 29535

FINELITE - 4' T8 FLUORSCENT LUMINAIRE, CAT# S18-1T8-EP
WITH WHITE INTERIOR, SEMI SPECULAR REFLECTOR AND FROSTED FLAT PLASTIC LENS
ONE SYLVANIA T8 LAMP, CAT# F032/835/ECO. LUMEN RATING = 2950 LMS.
LUMINAIRE OPERATING AT 120 VAC AND 30.1 WATTS



LUMINANCE SUMMARY CD./SQ.M.

ANGLE	ALONG	45	ACROSS
45	4216	3911	3769
55	3892	3725	3604
65	3655	3563	3326
75	3771	3218	2969
85	2727	2324	2150

INTENSITY (CANDLEPOWER) SUMMARY						OUTPUT LUMENS
ANGLE	ALONG	22.5	45	67.5	ACROSS	
0	176	176	176	176	176	
5	175	175	175	176	175	17
15	168	167	167	167	166	47
25	153	153	149	145	143	68
35	132	131	124	119	117	78
45	107	105	99	97	95	77
55	80	79	76	75	74	69
65	55	54	54	51	50	52
75	35	32	30	28	27	32
85	9	8	7	7	7	9
90	0	0	0	0	0	
95	19	57	54	55	54	61
105	80	211	266	257	251	237
115	151	330	411	480	488	377
125	220	391	518	554	571	417
135	284	410	597	650	665	410
145	339	422	568	676	709	342
155	383	432	512	585	610	235
165	413	433	471	496	508	132
175	430	429	435	438	441	43
180	428	428	428	428	428	

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	132	4.48	4.89
0-40	210	7.12	7.77
0-60	356	12.06	13.17
0-90	449	15.23	16.62
40-90	239	8.11	8.85
60-90	93	3.16	3.45
90-180	2254	76.40	83.38
0-180	2703	91.63	100.00

** EFFICIENCY: 91.6% **

LUMINOUS LENGTH: 44.500 INS
WIDTH: 1.250 INS

S/MH: 1.1
SC (ALONG): 1.2, SC (ACROSS): 1.1

CERTIFIED BY:

Ryder Tunney

DATE:
SEP 13, 2011

PREPARED FOR:

FINELITE
UNION CITY, CA

TESTED IN ACCORDANCE WITH IES PROCEDURES.

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

INDEPENDENT TEST LABORATORY REPORT No. 29535

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INTENSITY (CANDLEPOWER) DATA

ANGLE	PLANE						OUTPUT LUMENS
	ALONG	22.5	45	67.5	ACROSS	AVERAGE	
0	176	176	176	176	176	176	
5	175	175	175	176	175	175	17
10	173	172	172	173	172	172	
15	168	167	167	167	166	167	47
20	162	161	159	157	155	159	
25	153	153	149	145	143	149	68
30	143	142	137	132	130	137	
35	132	131	124	119	117	125	78
40	120	118	111	108	106	112	
45	107	105	99	97	95	100	77
50	94	92	87	86	85	89	
55	80	79	76	75	74	77	69
60	67	66	66	63	62	65	
65	55	54	54	51	50	53	52
70	45	43	42	40	39	42	
75	35	32	30	28	27	30	32
80	23	20	18	16	16	18	
85	9	8	7	7	7	8	9
90	0	0	0	0	0	0	
95	19	57	54	55	54	51	61
100	47	154	149	136	132	132	
105	80	211	266	257	251	225	237
110	115	273	367	378	376	316	
115	151	330	411	480	488	385	377
120	186	373	465	522	553	432	
125	220	391	518	554	571	465	417
130	253	402	565	610	627	505	
135	284	410	597	650	665	533	410
140	312	415	591	683	699	549	
145	339	422	568	676	709	548	342
150	363	429	537	632	669	528	
155	383	432	512	585	610	507	235
160	400	434	490	535	555	484	
165	413	433	471	496	508	465	132
170	423	431	451	466	473	449	
175	430	429	435	438	441	434	43
180	428	428	428	428	428	428	

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LUMINAIRE OPERATING AT 120 VAC AND 30.1 WATTS

AVERAGE LUMINANCE DATA

CD./SQ.M (FOOTLAMBERTS)

ANGLE	ALONG	22.5	45	67.5	ACROSS
0	4903(1431)	4903(1431)	4903(1431)	4903(1431)	4903(1431)
30	4610(1345)	4594(1340)	4422(1290)	4268(1245)	4175(1218)
40	4361(1272)	4310(1258)	4048(1181)	3924(1145)	3849(1123)
45	4216(1230)	4142(1208)	3911(1141)	3819(1114)	3769(1100)
50	4054(1183)	3987(1163)	3780(1103)	3736(1090)	3681(1074)
55	3892(1136)	3822(1115)	3725(1087)	3660(1068)	3604(1051)
60	3755(1096)	3693(1077)	3660(1068)	3536(1032)	3446(1005)
65	3655(1066)	3566(1040)	3563(1040)	3385(988)	3326(970)
70	3633(1060)	3526(1029)	3405(993)	3243(946)	3181(928)
75	3771(1100)	3470(1012)	3218(939)	3060(893)	2969(866)
80	3724(1087)	3209(936)	2885(842)	2643(771)	2571(750)
85	2727(795)	2697(787)	2324(678)	2209(644)	2150(627)

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LUMINAIRE OPERATING AT 120 VAC AND 30.1 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	1.021	.021	.021	.02	0.910	.910	.910	.91	0.800	.800	.800	.80	0.590	.590	.59	0.410	.410	.41	0.230	.230	.23	0.15			
1	0.930	.890	.850	.82	0.830	.790	.760	.73	0.730	.700	.670	.64	0.520	.500	.49	0.360	.350	.34	0.210	.200	.20	0.13			
2	0.850	.770	.710	.66	0.750	.690	.640	.59	0.660	.610	.560	.53	0.450	.430	.40	0.310	.300	.28	0.180	.170	.17	0.11			
3	0.770	.680	.610	.55	0.690	.610	.550	.50	0.600	.540	.480	.44	0.400	.370	.34	0.280	.260	.24	0.160	.150	.14	0.09			
4	0.710	.600	.520	.46	0.630	.540	.470	.42	0.550	.470	.420	.37	0.360	.320	.29	0.250	.220	.20	0.150	.130	.12	0.08			
5	0.650	.510	.450	.39	0.570	.470	.410	.35	0.500	.420	.360	.32	0.320	.280	.25	0.220	.190	.18	0.130	.120	.11	0.07			
6	0.590	.470	.390	.34	0.530	.420	.350	.30	0.460	.370	.320	.27	0.280	.240	.21	0.200	.170	.15	0.120	.100	.09	0.06			
7	0.550	.420	.340	.29	0.490	.380	.310	.26	0.430	.340	.280	.24	0.250	.210	.18	0.180	.150	.13	0.110	.090	.08	0.05			
8	0.500	.380	.300	.25	0.450	.340	.270	.23	0.390	.300	.240	.20	0.230	.190	.16	0.160	.130	.11	0.100	.080	.07	0.05			
9	0.460	.340	.270	.22	0.410	.310	.240	.20	0.360	.270	.220	.18	0.210	.170	.14	0.140	.120	.10	0.090	.070	.06	0.04			
10	0.430	.310	.240	.19	0.380	.280	.220	.18	0.340	.250	.190	.16	0.190	.150	.12	0.130	.110	.09	0.080	.060	.05	0.04			

LUMINAIRE INPUT WATTS 30.1

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.