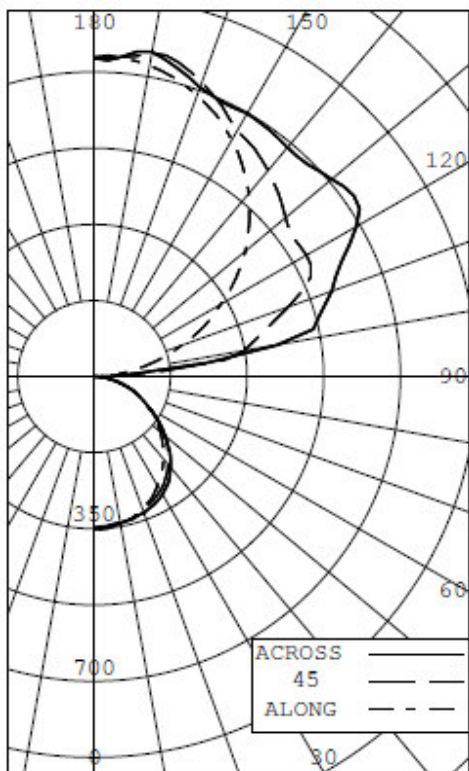




INDEPENDENT TEST LABORATORY REPORT No. 29707

FINELITE INC - 4 FT FLUORESCENT LUMINAIRE, CAT# S12-ID-DCO-1T5HO-91W-OPEN
WITH WHITE INTERIOR AND WHITE CURVED PLASTIC LENS
ONE SYLVANIA 54 WATT T5 LAMP, CAT# FP54/835/HO/ECO. LUMEN RATING = 4450 LMS.
ONE QHE2X54T5HO/UNV PSN DRIVER OPERATING AT 120 VAC AND 60.8 WATTS



LIGHTING SCIENCES, INC.
7826 E. EVANS RD.
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INTENSITY (CANDLEPOWER) DATA

ANGLE	PLANE						OUTPUT LUMENS
	ALONG	22.5	45	67.5	ACROSS	AVERAGE	
0	349	349	349	349	349	349	
5	350	349	347	347	345	348	34
10	345	344	343	344	343	344	
15	336	336	337	340	339	337	95
20	324	324	328	332	333	328	
25	308	310	316	324	325	317	146
30	290	294	303	311	313	302	
35	270	274	285	294	295	284	177
40	247	252	265	272	273	262	
45	223	229	240	246	245	237	182
50	197	204	212	214	211	209	
55	171	178	182	181	178	179	160
60	146	150	151	149	148	149	
65	121	121	122	121	120	121	120
70	97	93	94	94	94	94	
75	71	67	68	69	69	68	72
80	44	42	44	47	47	44	
85	19	20	25	29	30	25	28
90	2	6	12	16	17	11	
95	29	141	154	111	92	117	144
100	88	208	348	430	426	311	
105	150	298	401	498	531	384	401
110	214	315	472	547	579	433	
115	276	340	548	607	624	486	480
120	337	386	561	675	694	534	
125	397	432	557	686	726	559	499
130	451	475	572	671	709	575	
135	502	517	596	663	691	593	460
140	550	569	620	671	689	620	
145	593	618	641	681	695	646	404
150	630	662	654	686	700	667	
155	663	698	689	694	697	690	318
160	689	722	721	711	708	713	
165	710	728	748	740	736	735	207
170	726	729	754	760	758	747	
175	736	731	737	738	738	736	72
180	732	732	732	732	732	732	

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AVERAGE LUMINANCE DATA

CD./SQ.M (FOOTLAMBERTS)

ANGLE	ALONG		22.5		45		67.5		ACROSS	
0	3088(	901)	3088(	901)	3088(	901)	3088(	901)	3088(	901)
30	2966(	865)	3008(	878)	3098(	904)	3185(	929)	3193(	932)
40	2853(	832)	2921(	852)	3057(	892)	3150(	919)	3152(	920)
45	2787(	813)	2874(	839)	3012(	879)	3080(	899)	3072(	896)
50	2714(	792)	2821(	823)	2917(	851)	2951(	861)	2903(	847)
55	2642(	771)	2745(	801)	2817(	822)	2793(	815)	2757(	804)
60	2580(	753)	2660(	776)	2675(	780)	2647(	772)	2614(	763)
65	2533(	739)	2535(	740)	2552(	745)	2545(	742)	2524(	736)
70	2505(	731)	2421(	706)	2433(	710)	2434(	710)	2424(	707)
75	2424(	707)	2293(	669)	2316(	676)	2377(	694)	2368(	691)
80	2218(647)	2129(621)	2241(654)	2389(697)	2414(704)
85	1912(558)	2016(588)	2543(742)	2943(859)	3040(887)

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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	1.011	1.011	1.011	1.01	0.910	0.910	0.910	0.91	0.810	0.810	0.810	0.81	0.630	0.630	0.63	0.460	0.460	0.46	0.300	0.300	0.30	0.23			
1	0.920	0.880	0.840	0.81	0.830	0.790	0.760	0.73	0.740	0.710	0.680	0.65	0.550	0.530	0.51	0.400	0.390	0.38	0.270	0.260	0.25	0.19			
2	0.840	0.760	0.700	0.65	0.750	0.690	0.640	0.59	0.670	0.620	0.570	0.54	0.480	0.450	0.42	0.350	0.330	0.32	0.240	0.220	0.22	0.16			
3	0.770	0.670	0.600	0.54	0.690	0.610	0.550	0.50	0.610	0.540	0.490	0.45	0.420	0.390	0.36	0.310	0.290	0.27	0.210	0.200	0.18	0.14			
4	0.700	0.590	0.520	0.46	0.630	0.540	0.470	0.42	0.560	0.480	0.420	0.38	0.380	0.340	0.30	0.280	0.250	0.23	0.190	0.170	0.16	0.12			
5	0.640	0.510	0.450	0.39	0.580	0.470	0.410	0.35	0.510	0.430	0.370	0.32	0.330	0.290	0.26	0.250	0.220	0.20	0.170	0.150	0.14	0.10			
6	0.590	0.470	0.390	0.33	0.530	0.420	0.350	0.30	0.470	0.380	0.320	0.28	0.300	0.260	0.22	0.220	0.190	0.17	0.150	0.130	0.12	0.09			
7	0.540	0.420	0.340	0.29	0.490	0.380	0.310	0.26	0.430	0.340	0.280	0.24	0.270	0.220	0.19	0.200	0.170	0.15	0.140	0.120	0.10	0.08			
8	0.500	0.380	0.300	0.25	0.450	0.340	0.270	0.23	0.400	0.310	0.250	0.21	0.240	0.200	0.17	0.180	0.150	0.13	0.120	0.100	0.09	0.07			
9	0.460	0.340	0.260	0.22	0.410	0.310	0.240	0.20	0.370	0.280	0.220	0.18	0.220	0.180	0.15	0.160	0.130	0.11	0.110	0.090	0.08	0.06			
10	0.430	0.310	0.240	0.19	0.380	0.280	0.220	0.17	0.340	0.250	0.200	0.16	0.200	0.160	0.13	0.150	0.120	0.10	0.100	0.080	0.07	0.05			

LUMINAIRE INPUT WATTS 60.8

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.