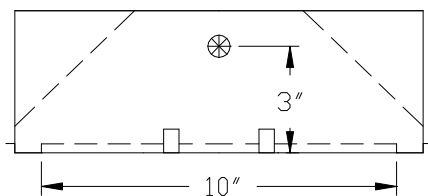
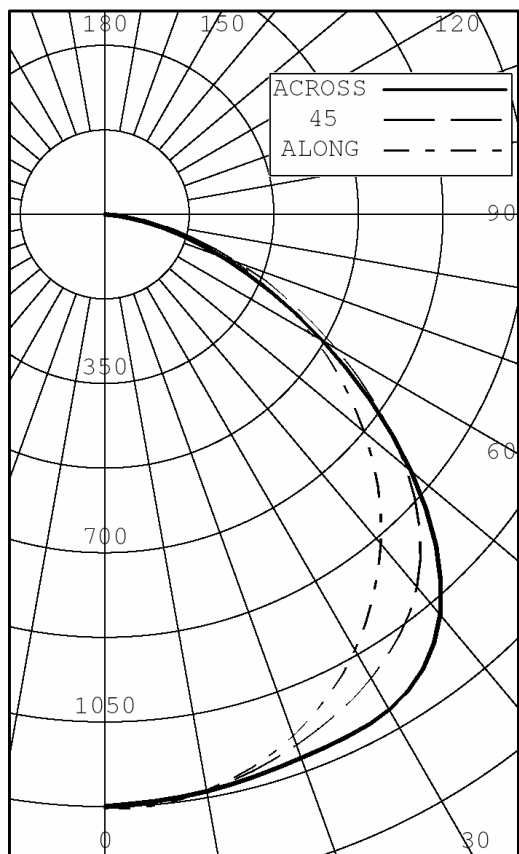




CERTIFIED TEST REPORT No. 25832

FINELITE - 1' X 4' FLUORESCENT RECESSED LUMINAIRE, CAT# HPR-x-1X4-1T5HO-DCO  
WHITE REFLECTOR, FROSTED PLASTIC SIDE LENSES & FROSTED .120 CENTER LENS  
ONE SYLVANIA 54 WATT T5 LAMPS, CAT# FP54/835/HO/ECO. LUMEN RATING = 4500 LMS.  
ONE SYLVANIA QTP2X54T5HO/UNV PSN BALLAST OPERATING AT 120 VAC AND 57 WATTS



LUMINANCE SUMMARY CD./SQ.M.

ANGLE	ALONG	45	ACROSS
45	3906	4521	4754
55	3602	4140	4062
65	3170	3436	3123
75	2587	2555	2182
85	1828	1197	998

INTENSITY (CANDLEPOWER) SUMMARY						OUTPUT LUMENS
ANGLE	ALONG	22.5	45	67.5	ACROSS	
0	1226	1226	1226	1226	1226	
5	1226	1221	1223	1224	1218	118
10	1210	1206	1211	1214	1212	
15	1183	1181	1191	1203	1204	336
20	1146	1147	1166	1189	1196	
25	1097	1105	1139	1179	1192	526
30	1037	1052	1106	1163	1181	
35	967	991	1063	1129	1148	661
40	888	920	1004	1067	1079	
45	799	836	922	966	969	692
50	701	741	812	835	827	
55	598	634	685	686	672	588
60	492	520	550	534	518	
65	388	407	419	395	381	398
70	287	299	297	274	262	
75	194	201	191	172	163	198
80	112	115	102	87	81	
85	46	43	30	26	25	43
90	0	0	0	0	0	

#### ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	981	21.79	27.54
0-40	1642	36.49	46.11
0-60	2922	64.92	82.04
0-90	3561	79.14	100.00
40-90	1919	42.65	53.89
60-90	640	14.22	17.96
90-180	0	0.00	0.00
0-180	3561	79.14	100.00

\*\* EFFICIENCY: 79.1% \*\*

LUMINOUS LENGTH: 46.000 INS  
WIDTH: 9.750 INS

S/MH: 1.4  
SC (ALONG): 1.3, SC (ACROSS): 1.4

CERTIFIED BY:

*Tan Lennin*

PREPARED FOR:

FINELITE  
UNION CITY, CA

DATE:  
AUG 17, 2009

TESTED IN ACCORDANCE WITH IES PROCEDURES.

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

CERTIFIED TEST REPORT No. 25832

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INTENSITY(CANDLEPOWER) DATA  
IN 2.5 DEGREE STEPS

ANGLE	PLANE						OUTPUT LUMENS
	ALONG	22.5	45	67.5	ACROSS	AVERAGE	
0.0	1226	1226	1226	1226	1226	1226	
2.5	1230	1224	1225	1226	1221	1225	
5.0	1226	1221	1223	1224	1218	1223	118
7.5	1220	1216	1218	1219	1216	1217	
10.0	1210	1206	1211	1214	1212	1211	
12.5	1198	1194	1202	1209	1208	1202	
15.0	1183	1181	1191	1203	1204	1192	336
17.5	1166	1165	1179	1195	1199	1181	
20.0	1146	1147	1166	1189	1196	1168	
22.5	1123	1127	1153	1184	1193	1156	
25.0	1097	1105	1139	1179	1192	1142	526
27.5	1069	1080	1124	1172	1188	1126	
30.0	1037	1052	1106	1163	1181	1108	
32.5	1004	1022	1085	1149	1168	1086	
35.0	967	991	1063	1129	1148	1060	661
37.5	928	956	1036	1103	1118	1030	
40.0	888	920	1004	1067	1079	994	
42.5	845	876	966	1021	1029	950	
45.0	799	836	922	966	969	902	692
47.5	751	790	870	904	901	847	
50.0	701	741	812	835	827	788	
52.5	650	688	750	762	750	725	
55.0	598	634	685	686	672	660	588
57.5	545	577	617	610	594	593	
60.0	492	520	550	534	518	527	
62.5	440	463	483	463	447	463	
65.0	388	407	419	395	381	401	398
67.5	337	352	363	333	317	344	
70.0	287	299	297	274	262	286	
72.5	239	249	242	221	210	234	
75.0	194	201	191	172	163	186	198
77.5	151	156	145	127	120	141	
80.0	112	115	102	87	81	100	
82.5	76	77	64	51	47	63	
85.0	46	43	30	26	25	34	43
87.5	17	13	10	9	8	11	
90.0	0	0	0	0	0	0	

LIGHTING SCIENCES, INC.  
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ONE SYLVANIA QTP2X54T5HO/UNV PSN BALLAST OPERATING AT 120 VAC AND 57 WATTS

AVERAGE LUMINANCE DATA

CD./SQ.M (FOOTLAMBERTS)

ANGLE	ALONG	22.5	45	67.5	ACROSS
0	4235( 1236)	4235( 1236)	4235( 1236)	4235( 1236)	4235( 1236)
30	4139( 1208)	4210( 1228)	4423( 1291)	4651( 1357)	4714( 1375)
40	4008( 1169)	4159( 1214)	4535( 1323)	4825( 1408)	4868( 1421)
45	3906( 1140)	4092( 1194)	4521( 1319)	4736( 1382)	4754( 1387)
50	3769( 1100)	3998( 1166)	4368( 1275)	4501( 1313)	4448( 1298)
55	3602( 1051)	3824( 1116)	4140( 1208)	4145( 1209)	4062( 1185)
60	3403( 993)	3607( 1052)	3802( 1109)	3703( 1080)	3580( 1045)
65	3170( 925)	3329( 971)	3436( 1002)	3242( 946)	3123( 911)
70	2900( 846)	3036( 886)	3010( 878)	2778( 810)	2644( 771)
75	2587( 755)	2699( 787)	2555( 745)	2305( 672)	2182( 636)
80	2225( 649)	2288( 667)	2047( 597)	1733( 505)	1619( 472)
85	1828( 533)	1714( 500)	1197( 349)	1031( 301)	998( 291)

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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	0.960	0.960	0.960	0.96	0.940	0.940	0.940	0.94	0.920	0.920	0.920	0.92	0.880	0.880	0.88	0.840	0.840	0.84	0.810	0.810	0.81	0.79			
1	0.890	0.850	0.820	0.79	0.870	0.840	0.810	0.78	0.850	0.820	0.790	0.77	0.790	0.760	0.74	0.750	0.740	0.72	0.730	0.710	0.70	0.68			
2	0.820	0.760	0.700	0.66	0.800	0.740	0.690	0.65	0.780	0.720	0.680	0.64	0.700	0.660	0.63	0.670	0.640	0.61	0.650	0.620	0.60	0.58			
3	0.750	0.670	0.600	0.55	0.730	0.660	0.600	0.55	0.710	0.640	0.590	0.55	0.620	0.580	0.54	0.600	0.560	0.53	0.580	0.550	0.52	0.50			
4	0.690	0.590	0.520	0.47	0.670	0.580	0.520	0.47	0.660	0.570	0.520	0.47	0.560	0.500	0.46	0.540	0.490	0.45	0.520	0.480	0.45	0.43			
5	0.630	0.530	0.450	0.40	0.620	0.520	0.450	0.40	0.600	0.510	0.440	0.40	0.490	0.440	0.39	0.480	0.430	0.39	0.460	0.420	0.38	0.37			
6	0.580	0.470	0.400	0.35	0.570	0.460	0.390	0.35	0.550	0.460	0.390	0.34	0.440	0.380	0.34	0.430	0.380	0.34	0.420	0.370	0.33	0.32			
7	0.530	0.420	0.350	0.31	0.520	0.420	0.350	0.30	0.510	0.410	0.340	0.30	0.400	0.340	0.30	0.380	0.330	0.29	0.380	0.330	0.29	0.28			
8	0.490	0.380	0.310	0.26	0.480	0.370	0.310	0.26	0.470	0.370	0.300	0.26	0.360	0.300	0.26	0.350	0.290	0.25	0.340	0.290	0.25	0.24			
9	0.450	0.340	0.270	0.22	0.440	0.330	0.270	0.22	0.430	0.330	0.270	0.22	0.320	0.260	0.22	0.310	0.260	0.22	0.300	0.250	0.22	0.20			
10	0.420	0.310	0.240	0.20	0.410	0.300	0.240	0.20	0.400	0.300	0.240	0.20	0.290	0.230	0.19	0.280	0.230	0.19	0.280	0.230	0.19	0.18			

LUMINAIRE INPUT WATTS 57.0

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