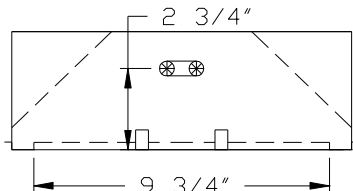
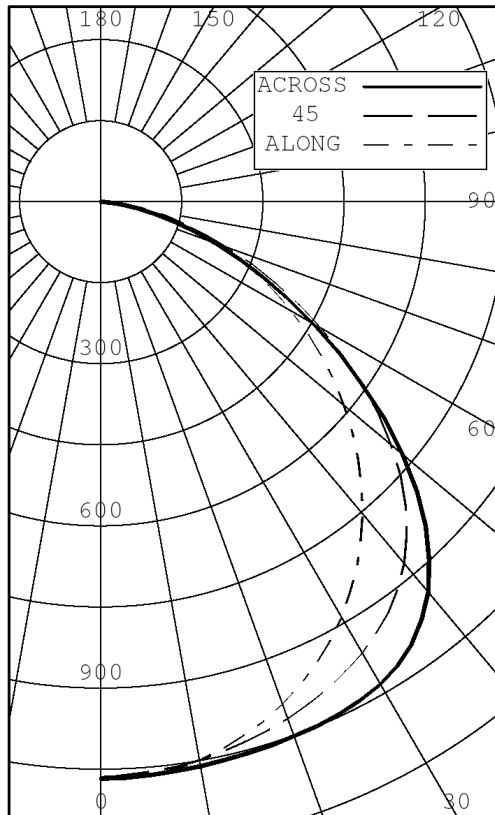




CERTIFIED TEST REPORT No. 26180

FINELITE - 1' X 2' FLUORESCENT RECESSED LUMINAIRE, CAT# HPR-x-1X2-1FT55-DCO  
WHITE REFLECTOR, FROSTED PLASTIC SIDE LENSES & FROSTED CENTER LENS  
ONE SYLVANIA 55 WATT CFL LAMP, CAT# FT55DL/835. LUMEN RATING = 4800 LMS.  
ONE SYLVANIA QTP2X54T5HO/UNV PSN BALLAST OPERATING AT 120 VAC AND 49.1 WATTS



LUMINANCE SUMMARY CD./SQ.M.

ANGLE	ALONG	45	ACROSS
45	6872	8173	8716
55	6274	7439	7469
65	5475	6090	5712
75	4509	4403	3919
85	3135	1960	1839

INTENSITY (CANDLEPOWER) SUMMARY						OUTPUT LUMENS
ANGLE	ALONG	22.5	45	67.5	ACROSS	
0	1067	1067	1067	1067	1067	
5	1065	1061	1059	1062	1065	103
10	1050	1046	1050	1057	1061	
15	1023	1023	1034	1050	1057	293
20	987	993	1016	1043	1052	
25	943	956	994	1033	1046	458
30	889	909	965	1017	1032	
35	825	855	927	985	1001	574
40	753	792	872	929	942	
45	672	716	797	840	850	597
50	587	632	700	726	728	
55	498	537	588	596	591	505
60	408	440	470	464	456	
65	320	343	355	339	333	339
70	238	253	251	234	229	
75	162	167	158	144	140	165
80	93	93	81	70	67	
85	38	32	24	23	22	35
90	0	0	0	0	0	

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	853	17.78	27.80
0-40	1427	29.73	46.50
0-60	2530	52.70	82.43
0-90	3069	63.94	100.00
40-90	1642	34.21	53.50
60-90	539	11.23	17.57
90-180	0	0.00	0.00
0-180	3069	63.94	100.00

\*\* EFFICIENCY: 63.9% \*\*

LUMINOUS LENGTH: 22.000 INS  
WIDTH: 9.750 INS

S/MH: 1.4  
SC (ALONG): 1.2, SC (ACROSS): 1.4

CERTIFIED BY: *Ryder Tammay* DATE: OCT 30, 2009  
PREPARED FOR: FINELITE  
UNION CITY, CA

TESTED IN ACCORDANCE WITH IES PROCEDURES.

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

CERTIFIED TEST REPORT No. 26180

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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	1067	1067	1067	1067	1067	1067	
2.5	1070	1066	1062	1064	1067	1065	
5.0	1065	1061	1059	1062	1065	1062	103
7.5	1059	1055	1055	1060	1063	1058	
10.0	1050	1046	1050	1057	1061	1052	
12.5	1037	1036	1042	1054	1059	1045	
15.0	1023	1023	1034	1050	1057	1037	293
17.5	1007	1009	1026	1047	1055	1028	
20.0	987	993	1016	1043	1052	1018	
22.5	966	975	1005	1038	1050	1007	
25.0	943	956	994	1033	1046	994	458
27.5	916	934	980	1026	1040	979	
30.0	889	909	965	1017	1032	963	
32.5	857	883	947	1003	1019	943	
35.0	825	855	927	985	1001	920	574
37.5	790	824	902	960	974	892	
40.0	753	792	872	929	942	860	
42.5	713	755	837	888	898	821	
45.0	672	716	797	840	850	779	597
47.5	631	676	752	787	793	732	
50.0	587	632	700	726	728	679	
52.5	544	586	647	663	662	625	
55.0	498	537	588	596	591	566	505
57.5	453	490	530	531	524	510	
60.0	408	440	470	464	456	452	
62.5	364	391	414	401	393	396	
65.0	320	343	355	339	333	341	339
67.5	279	297	301	286	279	291	
70.0	238	253	251	234	229	243	
72.5	198	209	201	186	181	197	
75.0	162	167	158	144	140	155	165
77.5	126	127	116	105	101	115	
80.0	93	93	81	70	67	81	
82.5	64	59	48	40	38	50	
85.0	38	32	24	23	22	27	35
87.5	14	10	9	9	7	10	
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 49.1 WATTS

AVERAGE LUMINANCE DATA

CD./SQ.M (FOOTLAMBERTS)

ANGLE	ALONG	22.5	45	67.5	ACROSS
0	7711 ( 2250)	7711 ( 2250)	7711 ( 2250)	7711 ( 2250)	7711 ( 2250)
30	7415 ( 2164)	7608 ( 2220)	8070 ( 2355)	8502 ( 2481)	8612 ( 2513)
40	7103 ( 2073)	7490 ( 2186)	8237 ( 2404)	8783 ( 2563)	8885 ( 2593)
45	6872 ( 2005)	7330 ( 2139)	8173 ( 2385)	8611 ( 2513)	8716 ( 2544)
50	6596 ( 1925)	7126 ( 2079)	7871 ( 2297)	8180 ( 2387)	8183 ( 2388)
55	6274 ( 1831)	6778 ( 1978)	7439 ( 2171)	7534 ( 2198)	7469 ( 2179)
60	5899 ( 1721)	6381 ( 1862)	6801 ( 1985)	6718 ( 1960)	6591 ( 1923)
65	5475 ( 1598)	5868 ( 1712)	6090 ( 1777)	5821 ( 1698)	5712 ( 1667)
70	5035 ( 1469)	5368 ( 1566)	5311 ( 1550)	4961 ( 1448)	4838 ( 1412)
75	4509 ( 1316)	4688 ( 1368)	4403 ( 1285)	4038 ( 1178)	3919 ( 1144)
80	3888 ( 1134)	3878 ( 1132)	3395 ( 990)	2898 ( 846)	2796 ( 816)
85	3135 ( 915)	2665 ( 777)	1960 ( 572)	1913 ( 558)	1839 ( 536)

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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	0.780	0.780	0.780	0.78	0.760	0.760	0.760	0.76	0.740	0.740	0.740	0.74	0.710	0.710	0.71	0.680	0.680	0.68	0.650	0.650	0.65	0.64			
1	0.720	0.690	0.660	0.64	0.700	0.680	0.650	0.63	0.690	0.660	0.640	0.62	0.640	0.620	0.60	0.610	0.600	0.58	0.590	0.580	0.57	0.55			
2	0.660	0.610	0.570	0.54	0.650	0.600	0.560	0.53	0.630	0.590	0.550	0.52	0.570	0.540	0.51	0.550	0.520	0.50	0.530	0.510	0.49	0.48			
3	0.610	0.540	0.490	0.45	0.590	0.530	0.490	0.45	0.580	0.520	0.480	0.45	0.510	0.470	0.44	0.490	0.460	0.43	0.470	0.450	0.42	0.41			
4	0.560	0.490	0.430	0.39	0.550	0.480	0.430	0.39	0.540	0.470	0.420	0.39	0.460	0.410	0.38	0.440	0.400	0.38	0.430	0.400	0.37	0.36			
5	0.520	0.440	0.380	0.34	0.510	0.430	0.370	0.33	0.490	0.420	0.370	0.33	0.410	0.360	0.33	0.400	0.360	0.33	0.380	0.350	0.32	0.31			
6	0.480	0.390	0.330	0.29	0.470	0.380	0.330	0.29	0.450	0.380	0.330	0.29	0.370	0.320	0.29	0.360	0.320	0.28	0.350	0.310	0.28	0.27			
7	0.440	0.350	0.290	0.26	0.430	0.340	0.290	0.25	0.420	0.340	0.290	0.25	0.330	0.280	0.25	0.320	0.280	0.25	0.310	0.270	0.24	0.23			
8	0.410	0.320	0.260	0.22	0.400	0.310	0.260	0.22	0.390	0.310	0.260	0.22	0.300	0.250	0.22	0.290	0.250	0.22	0.280	0.240	0.22	0.20			
9	0.370	0.290	0.230	0.19	0.370	0.280	0.230	0.19	0.360	0.280	0.230	0.19	0.270	0.220	0.19	0.260	0.220	0.19	0.260	0.220	0.19	0.18			
10	0.350	0.260	0.200	0.17	0.340	0.260	0.200	0.17	0.330	0.250	0.200	0.17	0.250	0.200	0.17	0.240	0.200	0.17	0.230	0.200	0.17	0.16			

LUMINAIRE INPUT WATTS 49.1

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.