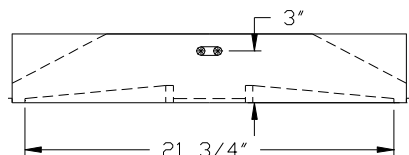
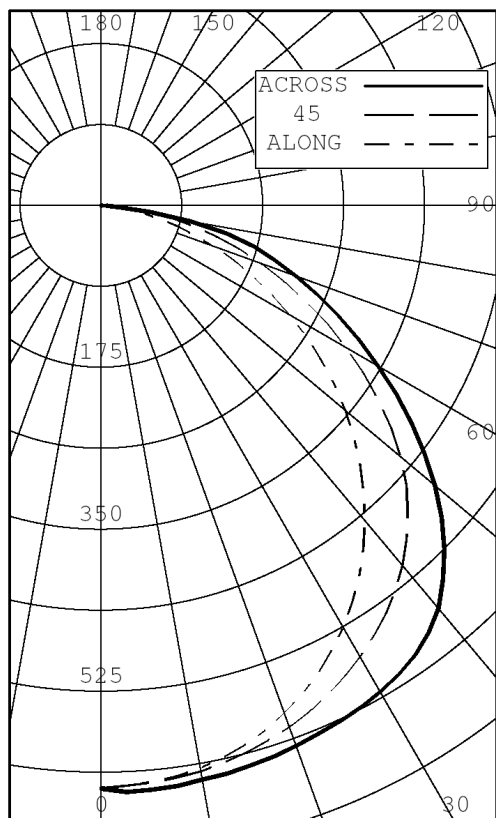




CERTIFIED TEST REPORT No. 26178

FINELITE - 2' X 2' FLUORESCENT RECESSED LUMINAIRE, CAT# HPR-x-2X2-1FT55-SCO
WHITE REFLECTOR, FROSTED PLASTIC SIDE LENSES & RECT PERF CENTER LENS
ONE SYLVANIA 55 WATT CFL LAMP, CAT# F55DL/835. LUMEN RATING = 4800 LMS.
ONE SYLVANIA QTP2X54T5HO/UNV PSN BALLAST OPERATING AT 120 VAC AND 48.9 WATTS



INTENSITY (CANDLEPOWER) SUMMARY OUTPUT LUMENS

ANGLE	ALONG	22.5	45	67.5	ACROSS	OUTPUT LUMENS
0	965	965	965	965	965	
5	959	959	958	960	964	93
10	946	945	946	949	953	
15	924	924	927	936	943	262
20	893	894	906	923	933	
25	856	861	883	911	926	409
30	810	819	856	899	920	
35	758	773	826	883	910	518
40	698	718	786	857	888	
45	629	655	734	812	845	564
50	555	584	665	741	771	
55	477	505	579	642	668	512
60	395	420	478	528	544	
65	315	332	369	403	414	363
70	236	245	264	282	287	
75	161	160	164	170	173	177
80	93	86	83	82	81	
85	36	29	24	22	22	35
90	0	0	0	0	0	

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	764	15.91	26.04
0-40	1281	26.70	43.70
0-60	2357	49.11	80.38
0-90	2932	61.09	100.00
40-90	1651	34.40	56.30
60-90	575	11.99	19.62
90-180	0	0.00	0.00
0-180	2932	61.09	100.00

** EFFICIENCY: 61.1% **

LUMINOUS LENGTH: 22.000 INS
WIDTH: 21.750 INS

LUMINANCE SUMMARY CD./SQ.M.

ANGLE	ALONG	45	ACROSS
45	2882	3376	3886
55	2693	3284	3785
65	2412	2838	3186
75	2012	2059	2174
85	1356	911	819

CERTIFIED BY:

Ryder Tammay

DATE:
NOV 5, 2009

PREPARED FOR:

FINELITE
UNION CITY, CA

TESTED IN ACCORDANCE WITH IES PROCEDURES.

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

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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	965	965	965	965	965	965	
2.5	962	962	961	963	968	963	
5.0	959	959	958	960	964	959	93
7.5	953	953	952	954	959	954	
10.0	946	945	946	949	953	947	
12.5	936	936	937	942	948	939	
15.0	924	924	927	936	943	930	262
17.5	909	910	917	929	938	920	
20.0	893	894	906	923	933	909	
22.5	876	879	895	917	930	898	
25.0	856	861	883	911	926	886	409
27.5	835	841	869	905	923	874	
30.0	810	819	856	899	920	860	
32.5	784	797	841	892	916	845	
35.0	758	773	826	883	910	829	518
37.5	728	745	807	872	902	810	
40.0	698	718	786	857	888	788	
42.5	664	687	761	837	869	763	
45.0	629	655	734	812	845	735	564
47.5	594	621	702	780	813	702	
50.0	555	584	665	741	771	663	
52.5	517	546	626	695	722	622	
55.0	477	505	579	642	668	575	512
57.5	437	464	532	588	610	527	
60.0	395	420	478	528	544	474	
62.5	356	377	424	466	480	421	
65.0	315	332	369	403	414	367	363
67.5	275	289	316	341	350	315	
70.0	236	245	264	282	287	263	
72.5	197	201	212	223	226	212	
75.0	161	160	164	170	173	165	177
77.5	125	121	119	122	123	122	
80.0	93	86	83	82	81	85	
82.5	63	55	51	46	44	51	
85.0	36	29	24	22	22	26	35
87.5	13	10	10	9	10	10	
90.0	0	0	0	0	0	0	

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AVERAGE LUMINANCE DATA

CD./SQ.M (FOOTLAMBERTS)

ANGLE	ALONG		22.5		45		67.5		ACROSS
0	3125 (	912)	3125 (	912)	3125 (	912)	3125 (	912)	3125 (912)
30	3031 (	884)	3073 (	896)	3209 (	936)	3369 (	983)	3440 (1004)
40	2950 (	861)	3044 (	888)	3325 (	970)	3632 (	1060)	3755 (1096)
45	2882 (	841)	3005 (	877)	3376 (	985)	3729 (	1088)	3886 (1134)
50	2799 (	816)	2954 (	862)	3352 (	978)	3746 (	1093)	3883 (1133)
55	2693 (	785)	2855 (	833)	3284 (	958)	3638 (	1062)	3785 (1104)
60	2558 (	746)	2730 (	796)	3097 (	903)	3428 (	1000)	3525 (1028)
65	2412 (	704)	2544 (	742)	2838 (	828)	3096 (	903)	3186 (929)
70	2232 (	651)	2333 (	680)	2506 (	731)	2680 (	782)	2722 (794)
75	2012 (	587)	2014 (	587)	2059 (	601)	2136 (	623)	2174 (634)
80	1743 (508)	1619 (472)	1552 (453)	1540 (449)	1519 (443)
85	1356 (395)	1095 (319)	911 (266)	835 (243)	819 (239)

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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	0.740	0.740	0.740	0.74	0.730	0.730	0.730	0.73	0.710	0.710	0.710	0.71	0.680	0.680	0.68	0.650	0.650	0.65	0.620	0.620	0.62	0.61			
1	0.690	0.660	0.630	0.61	0.670	0.640	0.620	0.60	0.650	0.630	0.610	0.59	0.600	0.590	0.57	0.580	0.570	0.55	0.560	0.550	0.54	0.52			
2	0.630	0.580	0.540	0.51	0.620	0.570	0.530	0.50	0.600	0.560	0.520	0.49	0.540	0.510	0.48	0.520	0.490	0.47	0.500	0.480	0.46	0.45			
3	0.580	0.510	0.460	0.42	0.560	0.500	0.460	0.42	0.550	0.490	0.450	0.42	0.480	0.440	0.41	0.460	0.430	0.40	0.440	0.420	0.39	0.38			
4	0.530	0.460	0.400	0.36	0.520	0.450	0.400	0.36	0.510	0.440	0.400	0.36	0.430	0.390	0.35	0.410	0.380	0.35	0.400	0.370	0.34	0.33			
5	0.490	0.410	0.350	0.31	0.480	0.400	0.350	0.31	0.460	0.390	0.340	0.31	0.380	0.340	0.30	0.370	0.330	0.30	0.360	0.320	0.30	0.28			
6	0.450	0.360	0.310	0.27	0.440	0.360	0.300	0.27	0.430	0.350	0.300	0.26	0.340	0.300	0.26	0.330	0.290	0.26	0.320	0.290	0.26	0.25			
7	0.410	0.320	0.270	0.23	0.400	0.320	0.270	0.23	0.390	0.310	0.260	0.23	0.300	0.260	0.23	0.290	0.250	0.22	0.290	0.250	0.22	0.21			
8	0.380	0.290	0.240	0.20	0.370	0.290	0.240	0.20	0.360	0.280	0.230	0.20	0.280	0.230	0.20	0.270	0.230	0.20	0.260	0.220	0.20	0.18			
9	0.350	0.270	0.210	0.18	0.340	0.260	0.210	0.18	0.330	0.260	0.210	0.18	0.250	0.210	0.17	0.240	0.200	0.17	0.240	0.200	0.17	0.16			
10	0.320	0.240	0.190	0.16	0.320	0.240	0.190	0.15	0.310	0.230	0.190	0.15	0.230	0.180	0.15	0.220	0.180	0.15	0.220	0.180	0.15	0.14			

LUMINAIRE INPUT WATTS 48.9

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.