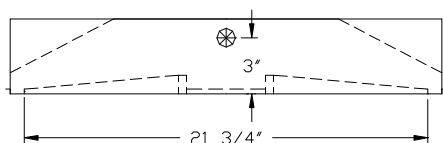
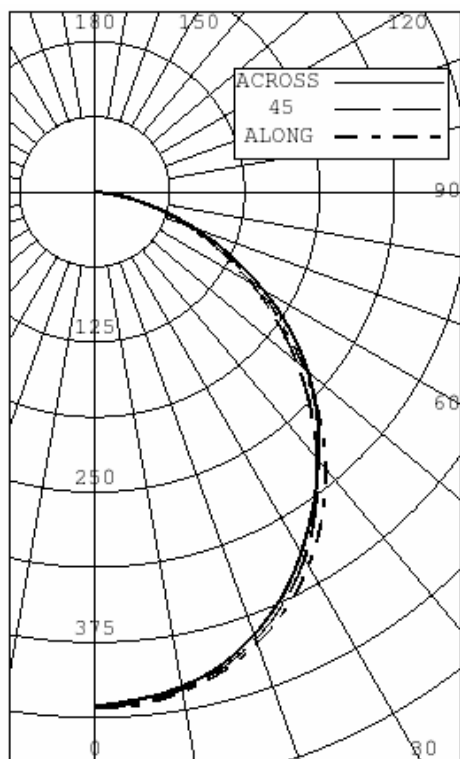




CERTIFIED TEST REPORT No. 25415

FINELITE - 2' X 2' FLUORESCENT RECESSED LUMINAIRE, CAT# HPR-x-2X2-1T8-DCO  
WHITE REFLECTOR, FROSTED PLASTIC SIDE LENSES & FROSTED .080 CENTER LENS  
ONE SYLVANIA 17 WATT T8 LAMP, CAT# F017/835/ECO. LUMEN RATING = 1350 LMS.  
ONE SYLVANIA QHE1X32T8/UNV ISN SC BALLAST OPERATING AT 120 VAC AND 16 WATTS



INTENSITY (CANDLEPOWER) SUMMARY						OUTPUT LUMENS
ANGLE	ALONG	22.5	45	67.5	ACROSS	
0	429	429	429	429	429	41
5	429	427	427	425	424	
10	423	421	420	419	418	
15	413	411	410	408	408	115
20	399	396	395	393	392	172
25	380	378	375	372	371	
30	358	354	350	347	346	
35	330	326	321	318	318	201
40	299	294	289	288	290	199
45	264	259	254	258	262	
50	227	222	219	226	232	
55	189	184	183	191	198	168
60	152	148	148	156	162	116
65	117	113	114	121	125	
70	85	82	82	87	90	
75	55	53	52	55	58	58
80	30	28	28	28	29	11
85	10	9	8	7	7	
90	0	0	0	0	0	

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	329	24.35	30.39
0-40	530	39.25	48.97
0-60	897	66.42	82.88
0-90	1082	80.14	100.00
40-90	552	40.90	51.03
60-90	185	13.72	17.12
90-180	0	0.00	0.00
0-180	1082	80.14	100.00

\*\* EFFICIENCY: 80.1% \*\*

LUMINOUS LENGTH: 22.000 INS  
WIDTH: 21.750 INS

LUMINANCE SUMMARY CD./SQ.M.

S/MH: 1.2  
SC: 1.2

ANGLE	ALONG	45	ACROSS
45	1211	1169	1204
55	1069	1039	1120
65	897	875	965
75	690	657	723
85	376	291	258

CERTIFIED BY:

*Tan Levin*

DATE:  
AUG 19, 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. 25415

FINELITE - 2' X 2' FLUORESCENT RECESSED LUMINAIRE, CAT# HPR-x-2X2-1T8-DCO  
WHITE REFLECTOR, FROSTED PLASTIC SIDE LENSES & FROSTED .080 CENTER LENS  
ONE SYLVANIA 17 WATT T8 LAMP, CAT# F017/835/ECO. LUMEN RATING = 1350 LMS.  
ONE SYLVANIA QHE1X32T8/UNV ISN SC BALLAST OPERATING AT 120 VAC AND 16 WATTS

INTENSITY(CANDLEPOWER) DATA  
IN 2.5 DEGREE STEPS

ANGLE	PLANE					OUTPUT LUMENS
	ALONG	22.5	45	67.5	ACROSS AVERAGE	
0.0	429	429	429	429	429	41
2.5	431	429	429	427	426	
5.0	429	427	427	425	424	
7.5	426	424	424	422	422	
10.0	423	421	420	419	418	
12.5	418	417	416	414	414	115
15.0	413	411	410	408	408	
17.5	407	404	403	401	400	
20.0	399	396	395	393	392	
22.5	390	388	386	383	382	
25.0	380	378	375	372	371	172
27.5	370	367	364	360	359	
30.0	358	354	350	347	346	
32.5	344	341	336	332	332	
35.0	330	326	321	318	318	
37.5	315	311	305	303	304	201
40.0	299	294	289	288	290	
42.5	282	277	272	273	276	
45.0	264	259	254	258	262	
47.5	246	241	237	242	247	
50.0	227	222	219	226	232	199
52.5	208	203	201	209	215	
55.0	189	184	183	191	198	
57.5	172	166	166	174	180	
60.0	152	148	148	156	162	
62.5	134	130	131	138	144	168
65.0	117	113	114	121	125	
67.5	100	97	97	103	108	
70.0	85	82	82	87	90	
72.5	69	67	67	71	73	
75.0	55	53	52	55	58	58
77.5	42	40	39	41	43	
80.0	30	28	28	28	29	
82.5	20	18	17	17	16	
85.0	10	9	8	7	7	
87.5	3	2	1	1	1	11
90.0	0	0	0	0	0	

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

CERTIFIED TEST REPORT No. 25415

FINELITE - 2' X 2' FLUORESCENT RECESSED LUMINAIRE, CAT# HPR-x-2X2-1T8-DCO  
WHITE REFLECTOR, FROSTED PLASTIC SIDE LENSES & FROSTED .080 CENTER LENS  
ONE SYLVANIA 17 WATT T8 LAMP, CAT# F017/835/ECO. LUMEN RATING = 1350 LMS.  
ONE SYLVANIA QHE1X32T8/UNV ISN SC BALLAST OPERATING AT 120 VAC AND 16 WATTS

AVERAGE LUMINANCE DATA

CD./SQ.M (FOOTLAMBERTS)

ANGLE	ALONG		22.5		45		67.5		ACROSS	
0	1388(	405)	1388(	405)	1388(	405)	1388(	405)	1388(	405)
30	1337(	390)	1328(	387)	1314(	383)	1299(	379)	1292(	377)
40	1263(	368)	1248(	364)	1222(	356)	1222(	356)	1226(	358)
45	1211(	353)	1189(	347)	1169(	341)	1184(	345)	1204(	351)
50	1145(	334)	1122(	327)	1103(	321)	1140(	332)	1167(	340)
55	1069(	312)	1041(	304)	1039(	303)	1084(	316)	1120(	327)
60	987(	288)	960(	280)	961(	280)	1013(	295)	1048(	305)
65	897(	261)	869(	253)	875(	255)	927(	270)	965(	281)
70	800(	233)	777(	226)	776(	226)	823(	240)	855(	249)
75	690(	201)	666(	194)	657(	191)	688(	200)	723(	211)
80	558(	163)	525(	153)	516(	150)	530(	154)	541(	158)
85	376(	109)	330(	96)	291(	85)	262(	76)	258(	75)

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

CERTIFIED TEST REPORT No. 25415

FINELITE - 2' X 2' FLUORESCENT RECESSED LUMINAIRE, CAT# HPR-x-2X2-1T8-DCO  
WHITE REFLECTOR, FROSTED PLASTIC SIDE LENSES & FROSTED .080 CENTER LENS  
ONE SYLVANIA 17 WATT T8 LAMP, CAT# F017/835/ECO. LUMEN RATING = 1350 LMS.  
ONE SYLVANIA QHE1X32T8/UNV ISN SC BALLAST OPERATING AT 120 VAC AND 16 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	0.980	0.980	0.980	0.98	0.950	0.950	0.950	0.95	0.930	0.930	0.930	0.93	0.890	0.890	0.89	0.850	0.850	0.85	0.820	0.820	0.82	0.80			
1	0.900	0.870	0.840	0.81	0.880	0.850	0.820	0.79	0.860	0.830	0.810	0.78	0.800	0.780	0.76	0.770	0.750	0.73	0.740	0.720	0.71	0.70			
2	0.830	0.770	0.720	0.67	0.810	0.750	0.710	0.66	0.790	0.740	0.690	0.66	0.710	0.670	0.64	0.690	0.660	0.63	0.660	0.640	0.61	0.60			
3	0.760	0.680	0.620	0.57	0.750	0.670	0.610	0.57	0.730	0.660	0.610	0.56	0.640	0.590	0.55	0.610	0.580	0.54	0.600	0.560	0.53	0.52			
4	0.700	0.610	0.540	0.49	0.690	0.600	0.540	0.49	0.670	0.590	0.530	0.48	0.570	0.520	0.48	0.550	0.510	0.47	0.540	0.500	0.46	0.45			
5	0.650	0.540	0.470	0.42	0.630	0.530	0.470	0.42	0.610	0.520	0.460	0.41	0.510	0.450	0.41	0.490	0.440	0.40	0.480	0.440	0.40	0.38			
6	0.600	0.490	0.420	0.37	0.580	0.480	0.410	0.36	0.570	0.470	0.410	0.36	0.460	0.400	0.36	0.440	0.390	0.35	0.430	0.390	0.35	0.34			
7	0.550	0.440	0.370	0.32	0.540	0.430	0.360	0.32	0.520	0.430	0.360	0.32	0.410	0.350	0.31	0.400	0.350	0.31	0.390	0.340	0.31	0.29			
8	0.510	0.390	0.330	0.28	0.490	0.390	0.320	0.28	0.480	0.380	0.320	0.27	0.370	0.310	0.27	0.360	0.310	0.27	0.350	0.310	0.27	0.25			
9	0.470	0.360	0.290	0.24	0.460	0.350	0.280	0.24	0.440	0.350	0.280	0.24	0.340	0.280	0.24	0.330	0.270	0.24	0.320	0.270	0.23	0.22			
10	0.430	0.320	0.250	0.21	0.420	0.320	0.250	0.21	0.410	0.310	0.250	0.21	0.310	0.250	0.21	0.300	0.250	0.21	0.290	0.240	0.21	0.19			

LUMINAIRE INPUT WATTS 16.0

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.