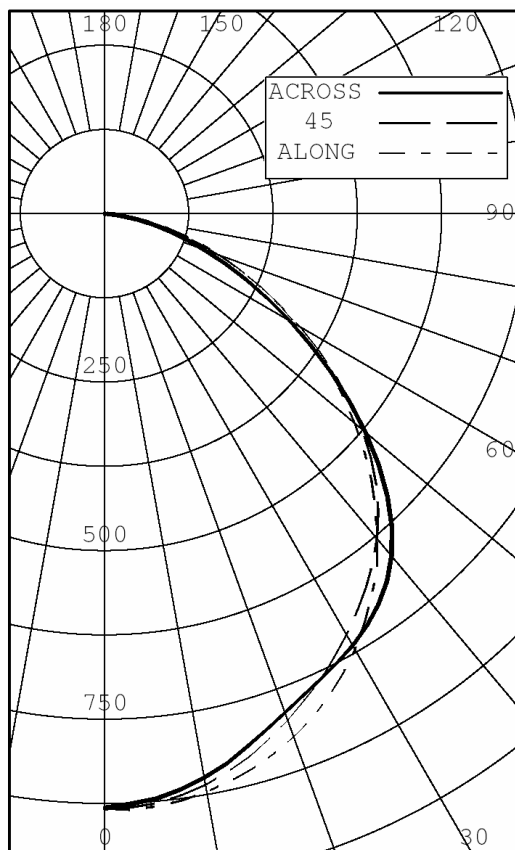




CERTIFIED TEST REPORT No. 25829

FINELITE - 1' X 4' FLUORESCENT RECESSED LUMINAIRE, CAT# HPR-x-1X4-1T8-DCO  
WHITE REFLECTOR, FROSTED PLASTIC SIDE LENSES & FROSTED .080 CENTER LENS  
ONE SYLVANIA 32 WATT T8 LAMP, CAT# F032/835/ECO. LUMEN RATING = 2950 LMS.  
ONE SYLVANIA QHE1X32T8/UNV ISN SC BALLAST OPERATING AT 120 VAC AND 28 WATTS



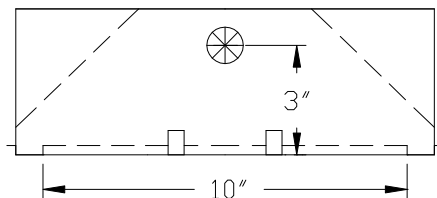
INTENSITY (CANDLEPOWER) SUMMARY						OUTPUT LUMENS
ANGLE	ALONG	22.5	45	67.5	ACROSS	
0	882	882	882	882	882	
5	883	879	878	876	872	84
10	871	866	861	855	850	
15	852	844	833	825	819	235
20	825	814	798	790	786	
25	788	775	761	760	761	353
30	744	729	719	732	738	
35	690	675	676	699	708	429
40	628	616	628	655	662	
45	559	551	570	591	593	439
50	484	479	498	509	506	
55	406	404	417	417	410	367
60	328	328	334	325	316	
65	253	253	253	240	231	245
70	184	184	179	166	159	
75	122	122	116	105	99	121
80	69	69	62	54	50	
85	26	25	18	16	16	26
90	0	0	0	0	0	

#### ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	673	22.80	29.24
0-40	1102	37.35	47.90
0-60	1907	64.66	82.92
0-90	2300	77.97	100.00
40-90	1199	40.63	52.10
60-90	393	13.31	17.08
90-180	0	0.00	0.00
0-180	2300	77.97	100.00

\*\* EFFICIENCY: 78.0% \*\*

LUMINOUS LENGTH: 46.000 INS  
WIDTH: 9.750 INS



LUMINANCE SUMMARY CD./SQ.M.

S/MH: 1.3  
SC: 1.3

ANGLE	ALONG	45	ACROSS
45	2734	2795	2911
55	2447	2523	2480
65	2070	2078	1898
75	1628	1544	1330
85	1040	734	619

CERTIFIED BY:

*Tan Leung*

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

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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	882	882	882	882	882	882	
2.5	885	882	882	882	877	882	
5.0	883	879	878	876	872	878	84
7.5	878	874	871	867	862	870	
10.0	871	866	861	855	850	861	
12.5	863	856	848	841	836	848	
15.0	852	844	833	825	819	834	235
17.5	839	830	816	807	802	818	
20.0	825	814	798	790	786	802	
22.5	808	796	779	774	773	785	
25.0	788	775	761	760	761	768	353
27.5	767	753	740	746	750	749	
30.0	744	729	719	732	738	730	
32.5	718	703	698	717	725	710	
35.0	690	675	676	699	708	688	429
37.5	664	647	653	679	688	664	
40.0	628	616	628	655	662	636	
42.5	595	584	600	625	630	606	
45.0	559	551	570	591	593	572	439
47.5	523	516	536	552	552	535	
50.0	484	479	498	509	506	495	
52.5	445	442	458	464	458	454	
55.0	406	404	417	417	410	411	367
57.5	367	366	375	370	362	369	
60.0	328	328	334	325	316	327	
62.5	290	290	293	281	272	286	
65.0	253	253	253	240	231	247	245
67.5	218	218	215	202	194	210	
70.0	184	184	179	166	159	175	
72.5	152	152	146	134	128	143	
75.0	122	122	116	105	99	113	121
77.5	94	94	87	78	73	86	
80.0	69	69	62	54	50	61	
82.5	46	46	39	32	29	39	
85.0	26	25	18	16	16	20	26
87.5	10	9	7	6	5	7	
90.0	0	0	0	0	0	0	

LIGHTING SCIENCES, INC.  
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AVERAGE LUMINANCE DATA

CD./SQ.M (FOOTLAMBERTS)

ANGLE	ALONG		22.5		45		67.5		ACROSS	
0	3047	( 889)	3047	( 889)	3047	( 889)	3047	( 889)	3047	( 889)
30	2968	( 866)	2917	( 851)	2876	( 839)	2927	( 854)	2945	( 859)
40	2834	( 827)	2787	( 813)	2836	( 827)	2962	( 864)	2986	( 871)
45	2734	( 797)	2694	( 786)	2795	( 815)	2895	( 845)	2911	( 849)
50	2604	( 760)	2585	( 754)	2680	( 782)	2744	( 800)	2719	( 793)
55	2447	( 714)	2436	( 711)	2523	( 736)	2520	( 735)	2480	( 723)
60	2268	( 662)	2271	( 663)	2307	( 673)	2251	( 657)	2182	( 636)
65	2070	( 604)	2072	( 605)	2078	( 606)	1971	( 575)	1898	( 554)
70	1860	( 543)	1864	( 544)	1818	( 530)	1684	( 491)	1606	( 468)
75	1628	( 475)	1638	( 478)	1544	( 450)	1403	( 409)	1330	( 388)
80	1367	( 399)	1374	( 401)	1241	( 362)	1074	( 313)	992	( 289)
85	1040	( 303)	1005	( 293)	734	( 214)	642	( 187)	619	( 180)

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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	0.950	0.950	0.950	0.95	0.930	0.930	0.930	0.93	0.910	0.910	0.910	0.91	0.870	0.870	0.87	0.830	0.830	0.83	0.800	0.800	0.80	0.780	0.780	0.78	0.78
1	0.880	0.840	0.810	0.78	0.860	0.830	0.800	0.77	0.840	0.810	0.780	0.76	0.780	0.750	0.73	0.750	0.730	0.71	0.720	0.700	0.69	0.720	0.700	0.69	0.68
2	0.810	0.750	0.700	0.65	0.790	0.730	0.690	0.64	0.770	0.720	0.670	0.64	0.690	0.650	0.62	0.670	0.640	0.61	0.640	0.620	0.60	0.640	0.620	0.60	0.58
3	0.740	0.660	0.600	0.55	0.730	0.650	0.590	0.55	0.710	0.640	0.590	0.54	0.620	0.570	0.54	0.600	0.560	0.53	0.580	0.550	0.52	0.580	0.550	0.52	0.50
4	0.680	0.590	0.520	0.47	0.670	0.580	0.520	0.47	0.650	0.570	0.510	0.47	0.550	0.500	0.46	0.540	0.490	0.46	0.520	0.480	0.45	0.520	0.480	0.45	0.43
5	0.630	0.530	0.460	0.40	0.610	0.520	0.450	0.40	0.590	0.510	0.440	0.40	0.490	0.440	0.40	0.480	0.430	0.39	0.460	0.420	0.39	0.460	0.420	0.39	0.37
6	0.580	0.470	0.400	0.35	0.560	0.460	0.400	0.35	0.550	0.460	0.390	0.35	0.440	0.390	0.34	0.430	0.380	0.34	0.420	0.370	0.34	0.420	0.370	0.34	0.32
7	0.530	0.420	0.350	0.31	0.520	0.420	0.350	0.31	0.510	0.410	0.350	0.30	0.400	0.340	0.30	0.390	0.340	0.30	0.380	0.330	0.30	0.380	0.330	0.30	0.28
8	0.490	0.380	0.310	0.27	0.480	0.370	0.310	0.26	0.470	0.370	0.310	0.26	0.360	0.300	0.26	0.350	0.300	0.26	0.340	0.290	0.26	0.340	0.290	0.26	0.24
9	0.450	0.340	0.270	0.23	0.440	0.340	0.270	0.23	0.430	0.330	0.270	0.23	0.320	0.270	0.23	0.310	0.260	0.22	0.310	0.260	0.22	0.310	0.260	0.22	0.21
10	0.420	0.310	0.240	0.20	0.410	0.310	0.240	0.20	0.400	0.300	0.240	0.20	0.290	0.240	0.20	0.290	0.230	0.20	0.280	0.230	0.20	0.280	0.230	0.20	0.18

LUMINAIRE INPUT WATTS 28.0

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.