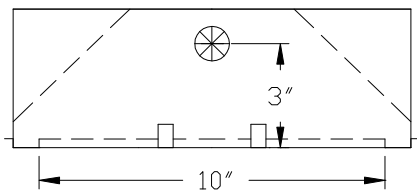
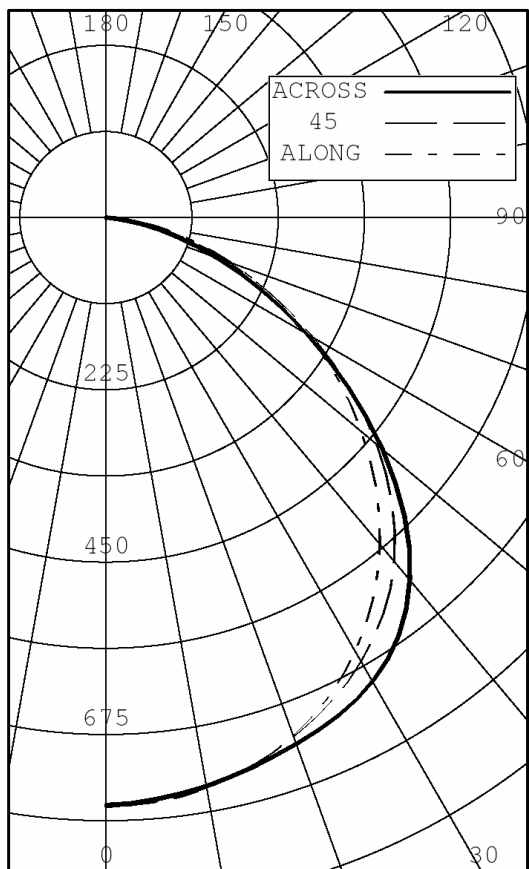




CERTIFIED TEST REPORT No. 25830

FINELITE - 1' X 4' FLUORESCENT RECESSED LUMINAIRE, CAT# HPR-x-1X4-1T8-SCO
WHITE REFLECTOR, FROSTED PLASTIC SIDE LENSES & RECT PERF .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



LUMINANCE SUMMARY CD./SQ.M.

ANGLE	ALONG	45	ACROSS
45	2436	2589	2700
55	2229	2343	2333
65	1954	1969	1848
75	1596	1488	1295
85	1060	746	649

INTENSITY (CANDLEPOWER) SUMMARY						OUTPUT LUMENS
ANGLE	ALONG	22.5	45	67.5	ACROSS	
0	768	768	768	768	768	74
5	766	764	766	765	762	
10	757	755	756	755	754	
15	741	738	740	743	743	
20	719	716	720	728	731	
25	689	688	697	712	718	322
30	652	652	667	690	698	
35	607	609	631	657	666	
40	556	559	585	611	617	
45	499	502	528	548	550	
50	436	440	461	472	471	404
55	370	373	387	390	386	
60	304	306	313	308	302	
65	239	239	240	231	225	
70	177	176	172	162	156	
75	120	118	111	102	97	117
80	69	67	60	52	48	
85	27	25	19	17	16	
90	0	0	0	0	0	

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	605	20.51	28.52
0-40	1000	33.90	47.14
0-60	1745	59.14	82.24
0-90	2121	71.91	100.00
40-90	1121	38.01	52.86
60-90	377	12.77	17.76
90-180	0	0.00	0.00
0-180	2121	71.91	100.00

** EFFICIENCY: 71.9% **

LUMINOUS LENGTH: 46.000 INS
WIDTH: 9.750 INS

S/MH: 1.3
SC: 1.3

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. 25830

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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	768	768	768	768	768	768	
2.5	768	766	768	768	766	767	
5.0	766	764	766	765	762	765	74
7.5	762	761	762	760	759	761	
10.0	757	755	756	755	754	755	
12.5	750	747	749	750	749	749	
15.0	741	738	740	743	743	741	209
17.5	731	728	731	735	737	732	
20.0	719	716	720	728	731	722	
22.5	705	703	709	720	724	712	
25.0	689	688	697	712	718	700	322
27.5	672	671	683	702	709	687	
30.0	652	652	667	690	698	671	
32.5	631	631	650	675	684	653	
35.0	607	609	631	657	666	633	395
37.5	582	585	609	636	644	611	
40.0	556	559	585	611	617	585	
42.5	528	531	558	581	586	557	
45.0	499	502	528	548	550	526	404
47.5	467	472	495	511	512	492	
50.0	436	440	461	472	471	457	
52.5	403	407	425	432	429	420	
55.0	370	373	387	390	386	382	341
57.5	337	340	350	349	343	345	
60.0	304	306	313	308	302	307	
62.5	271	272	276	269	262	271	
65.0	239	239	240	231	225	236	234
67.5	208	207	205	196	190	201	
70.0	177	176	172	162	156	169	
72.5	148	146	140	131	125	138	
75.0	120	118	111	102	97	110	117
77.5	93	91	84	76	71	83	
80.0	69	67	60	52	48	59	
82.5	47	44	38	31	29	38	
85.0	27	25	19	17	16	21	26
87.5	10	9	7	6	6	7	
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	2652(	774)	2652(	774)	2652(	774)	2652(	774)	2652(	774)
30	2602(	759)	2608(	761)	2670(	779)	2761(	805)	2786(	813)
40	2507(	731)	2528(	737)	2641(	771)	2763(	806)	2784(	812)
45	2436(	711)	2458(	717)	2589(	755)	2685(	783)	2700(	788)
50	2341(	683)	2374(	693)	2477(	723)	2545(	742)	2532(	739)
55	2229(	650)	2253(	657)	2343(	683)	2359(	688)	2333(	681)
60	2101(	613)	2121(	619)	2163(	631)	2135(	623)	2084(	608)
65	1954(	570)	1957(	571)	1969(	574)	1896(	553)	1848(	539)
70	1788(	522)	1782(	520)	1740(	507)	1642(	479)	1576(	460)
75	1596(	466)	1578(	460)	1488(	434)	1371(	400)	1295(	378)
80	1370(399)	1330(388)	1196(349)	1036(302)	952(277)
85	1060(309)	995(290)	746(217)	684(199)	649(189)

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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	0.880	0.880	0.880	0.88	0.860	0.860	0.860	0.86	0.840	0.840	0.840	0.84	0.800	0.800	0.80	0.760	0.760	0.76	0.730	0.730	0.73	0.72			
1	0.810	0.780	0.750	0.72	0.790	0.760	0.730	0.71	0.770	0.750	0.720	0.70	0.710	0.690	0.68	0.690	0.670	0.66	0.660	0.650	0.64	0.62			
2	0.740	0.690	0.640	0.60	0.730	0.670	0.630	0.59	0.710	0.660	0.620	0.59	0.630	0.600	0.57	0.610	0.580	0.56	0.590	0.570	0.55	0.53			
3	0.680	0.610	0.550	0.51	0.670	0.600	0.550	0.50	0.650	0.590	0.540	0.50	0.570	0.520	0.49	0.550	0.510	0.48	0.530	0.500	0.47	0.46			
4	0.630	0.540	0.480	0.43	0.610	0.530	0.480	0.43	0.600	0.520	0.470	0.43	0.510	0.460	0.42	0.490	0.450	0.42	0.480	0.440	0.41	0.40			
5	0.580	0.480	0.420	0.37	0.560	0.470	0.410	0.37	0.550	0.470	0.410	0.36	0.450	0.400	0.36	0.440	0.390	0.36	0.420	0.380	0.35	0.34			
6	0.530	0.430	0.370	0.32	0.520	0.420	0.360	0.32	0.500	0.420	0.360	0.32	0.400	0.350	0.31	0.390	0.350	0.31	0.380	0.340	0.31	0.29			
7	0.490	0.390	0.320	0.28	0.480	0.380	0.320	0.28	0.470	0.380	0.320	0.28	0.360	0.310	0.27	0.350	0.310	0.27	0.350	0.300	0.27	0.26			
8	0.450	0.350	0.290	0.24	0.440	0.340	0.280	0.24	0.430	0.340	0.280	0.24	0.330	0.270	0.24	0.320	0.270	0.24	0.310	0.270	0.23	0.22			
9	0.410	0.310	0.250	0.21	0.400	0.310	0.250	0.21	0.390	0.300	0.250	0.21	0.290	0.240	0.21	0.290	0.240	0.20	0.280	0.230	0.20	0.19			
10	0.380	0.280	0.220	0.18	0.370	0.280	0.220	0.18	0.370	0.270	0.220	0.18	0.270	0.220	0.18	0.260	0.210	0.18	0.250	0.210	0.18	0.17			

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