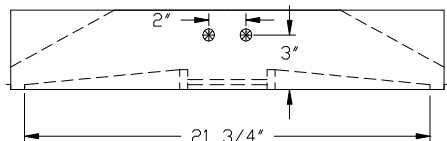
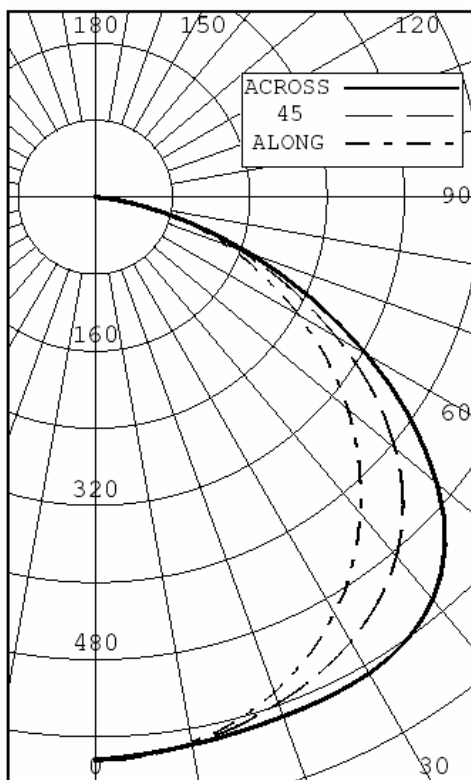




CERTIFIED TEST REPORT No. 25691

FINELITE - 2' X 2' FLUORESCENT RECESSED LUMINAIRE, CAT# HPR-x-2x2-2T5-SCO
WHITE REFLECTOR, FROSTED PLASTIC SIDE LENSES & RECT PERF .120 LENS
TWO SYLVANIA 14 WATT T5 LAMPS, CAT# FP14/835/ECO. LUMEN RATING = 1200 LMS.
ONE SYLVANIA QTP2X28T5/UNV PSN BALLAST OPERATING AT 120 VAC AND 32 WATTS



INTENSITY (CANDLEPOWER) SUMMARY						OUTPUT LUMENS
ANGLE	ALONG	22.5	45	67.5	ACROSS	
0	584	584	584	584	584	56
5	582	582	582	582	580	
10	575	575	577	578	577	
15	563	564	569	573	575	
20	546	547	558	569	573	
25	524	528	546	565	572	252
30	496	503	531	559	570	
35	464	474	511	548	562	
40	427	441	485	528	544	
45	386	402	451	496	512	
50	341	357	405	447	462	345
55	292	307	350	384	397	
60	242	254	286	314	323	
65	192	200	221	240	246	
70	143	147	157	167	170	
75	96	95	97	100	101	105
80	54	49	47	47	46	
85	19	15	13	12	11	
90	0	0	0	0	0	

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	469	19.53	26.29
0-40	788	32.84	44.22
0-60	1441	60.06	80.86
0-90	1783	74.28	100.00
40-90	994	41.43	55.78
60-90	341	14.21	19.14
90-180	0	0.00	0.00
0-180	1783	74.28	100.00

** EFFICIENCY: 74.3% **

LUMINANCE SUMMARY CD./SQ.M.

ANGLE	ALONG	45	ACROSS
45	1766	2072	2353
55	1649	1983	2251
65	1468	1702	1890
75	1202	1214	1274
85	714	475	423

S/MH: 1.5
SC (ALONG): 1.3, SC (ACROSS): 1.5

CERTIFIED BY:

Tan Levin

DATE:
JUL 15, 2009

PREPARED FOR:

FINELITE
UNION CITY, CA

TESTED IN ACCORDANCE WITH IES PROCEDURES.

ANGLE	PLANE						OUTPUT LUMENS
	ALONG	22.5	45	67.5	ACROSS	AVERAGE	
0.0	584	584	584	584	584	584	56
2.5	584	584	585	584	582	584	
5.0	582	582	582	582	580	582	
7.5	579	579	579	580	579	579	
10.0	575	575	577	578	577	576	
12.5	570	570	573	576	576	573	161
15.0	563	564	569	573	575	569	
17.5	555	556	563	571	574	564	
20.0	546	547	558	569	573	558	
22.5	535	538	552	567	573	553	
25.0	524	528	546	565	572	547	252
27.5	511	516	539	562	572	540	
30.0	496	503	531	559	570	531	
32.5	483	489	522	554	567	522	
35.0	464	474	511	548	562	512	
37.5	446	458	499	539	554	499	320
40.0	427	441	485	528	544	485	
42.5	407	422	469	514	530	468	
45.0	386	402	451	496	512	449	
47.5	364	380	429	474	489	427	
50.0	341	357	405	447	462	403	345
52.5	317	333	379	417	430	375	
55.0	292	307	350	384	397	346	
57.5	267	281	319	350	361	316	
60.0	242	254	286	314	323	284	
62.5	217	227	254	277	284	252	217
65.0	192	200	221	240	246	220	
67.5	167	173	188	203	207	188	
70.0	143	147	157	167	170	157	
72.5	119	120	126	132	134	126	
75.0	96	95	97	100	101	98	105
77.5	74	71	70	72	72	72	
80.0	54	49	47	47	46	49	
82.5	36	31	28	26	25	29	
85.0	19	15	13	12	11	14	
87.5	6	4	4	4	4	4	19
90.0	0	0	0	0	0	0	

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

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AVERAGE LUMINANCE DATA

CD./SQ.M (FOOTLAMBERTS)

ANGLE	ALONG		22.5		45		67.5		ACROSS	
0	1892(	552)	1892(	552)	1892(	552)	1892(	552)	1892(	552)
30	1856(	541)	1887(	550)	1990(	581)	2094(	611)	2131(	621)
40	1805(	526)	1869(	545)	2054(	599)	2239(	653)	2299(	671)
45	1766(	515)	1843(	538)	2072(	605)	2277(	664)	2353(	686)
50	1716(	500)	1805(	526)	2042(	596)	2261(	659)	2326(	678)
55	1649(	481)	1738(	507)	1983(	578)	2176(	635)	2251(	657)
60	1568(	457)	1653(	482)	1857(	542)	2040(	595)	2092(	610)
65	1468(	428)	1535(	448)	1702(	497)	1843(	538)	1890(	551)
70	1349(	393)	1393(	406)	1488(	434)	1582(	462)	1607(	469)
75	1202(	350)	1191(	347)	1214(	354)	1255(	366)	1274(	371)
80	1012(295)	926(270)	887(258)	878(256)	866(252)
85	714(208)	571(166)	475(138)	433(126)	423(123)

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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	0.900	0.900	0.900	0.90	0.880	0.880	0.880	0.88	0.860	0.860	0.860	0.86	0.830	0.830	0.83	0.790	0.790	0.79	0.760	0.760	0.76	0.74	0.74	0.74	0.74
1	0.840	0.800	0.770	0.74	0.820	0.780	0.760	0.73	0.800	0.770	0.740	0.72	0.740	0.710	0.70	0.710	0.690	0.67	0.680	0.670	0.65	0.64	0.64	0.64	0.64
2	0.760	0.710	0.660	0.61	0.750	0.690	0.650	0.61	0.730	0.680	0.630	0.60	0.650	0.620	0.58	0.630	0.600	0.57	0.610	0.580	0.56	0.54	0.54	0.54	0.54
3	0.700	0.620	0.560	0.51	0.680	0.610	0.560	0.51	0.670	0.600	0.550	0.51	0.580	0.530	0.50	0.560	0.520	0.49	0.540	0.510	0.48	0.47	0.47	0.47	0.47
4	0.640	0.550	0.490	0.44	0.630	0.540	0.480	0.43	0.610	0.530	0.480	0.43	0.520	0.460	0.43	0.500	0.450	0.42	0.480	0.450	0.41	0.40	0.40	0.40	0.40
5	0.590	0.490	0.420	0.37	0.570	0.480	0.410	0.37	0.560	0.470	0.410	0.36	0.460	0.400	0.36	0.440	0.390	0.36	0.430	0.390	0.35	0.34	0.34	0.34	0.34
6	0.540	0.440	0.370	0.32	0.530	0.430	0.360	0.32	0.510	0.420	0.360	0.31	0.410	0.350	0.31	0.390	0.350	0.31	0.380	0.340	0.30	0.29	0.29	0.29	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	0.27	0.370	0.310	0.27	0.350	0.300	0.27	0.350	0.300	0.26	0.25	0.25	0.25	0.25
8	0.460	0.350	0.280	0.24	0.440	0.340	0.280	0.24	0.430	0.340	0.280	0.23	0.330	0.270	0.23	0.320	0.270	0.23	0.310	0.260	0.23	0.21	0.21	0.21	0.21
9	0.420	0.310	0.250	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	0.18	0.18	0.18	0.18
10	0.390	0.280	0.220	0.18	0.380	0.280	0.220	0.18	0.370	0.270	0.220	0.18	0.270	0.210	0.18	0.260	0.210	0.17	0.250	0.210	0.17	0.16	0.16	0.16	0.16

LUMINAIRE INPUT WATTS 31.0

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.