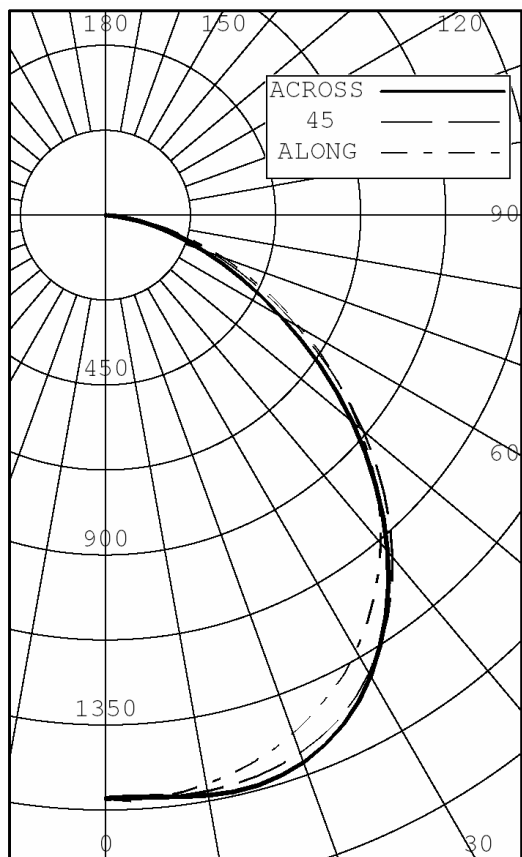




CERTIFIED TEST REPORT No. 25831

FINELITE - 1' X 4' FLUORESCENT RECESSED LUMINAIRE, CAT# HPR-x-1X4-2T8-DCO  
WHITE REFLECTOR, FROSTED PLASTIC SIDE LENSES & FROSTED .080 CENTER LENS  
TWO SYLVANIA 32 WATT T8 LAMPS, CAT# F032/835/ECO. LUMEN RATING = 2950 LMS.  
ONE SYLVANIA QHE2X32T8/UNV ISN SC BALLAST OPERATING AT 120 VAC AND 52 WATTS



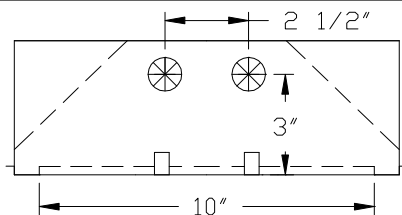
INTENSITY (CANDLEPOWER) SUMMARY						OUTPUT LUMENS
ANGLE	ALONG	22.5	45	67.5	ACROSS	
0	1545	1545	1545	1545	1545	
5	1549	1543	1551	1552	1547	150
10	1531	1532	1550	1561	1561	
15	1501	1509	1539	1561	1563	433
20	1458	1475	1514	1537	1540	
25	1400	1426	1468	1489	1489	669
30	1327	1357	1397	1409	1405	
35	1237	1269	1299	1300	1293	800
40	1133	1162	1180	1171	1160	
45	1012	1035	1041	1025	1010	790
50	879	894	889	867	852	
55	739	746	733	706	692	647
60	598	599	580	551	536	
65	461	459	439	411	398	432
70	334	332	312	289	279	
75	221	215	202	185	178	215
80	124	123	111	97	91	
85	47	47	33	29	28	47
90	0	0	0	0	0	

#### ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	1252	21.23	29.94
0-40	2052	34.78	49.06
0-60	3489	59.14	83.42
0-90	4183	70.90	100.00
40-90	2131	36.12	50.94
60-90	694	11.76	16.58
90-180	0	0.00	0.00
0-180	4183	70.90	100.00

\*\* EFFICIENCY: 70.9% \*\*

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	4948	5108	4956
55	4453	4433	4185
65	3772	3604	3263
75	2949	2702	2387
85	1847	1311	1104

CERTIFIED BY:

*Tan Levin*

PREPARED FOR:

FINELITE  
UNION CITY, CA

DATE:  
AUG 17, 2009

TESTED IN ACCORDANCE WITH IES PROCEDURES.

CERTIFIED TEST REPORT No. 25831

INTENSITY(CANDLEPOWER) DATA  
IN 2.5 DEGREE STEPS

ANGLE	PLANE						OUTPUT LUMENS
	ALONG	22.5	45	67.5	ACROSS	AVERAGE	
0.0	1545	1545	1545	1545	1545	1545	150
2.5	1553	1545	1548	1548	1542	1547	
5.0	1549	1543	1551	1552	1547	1549	
7.5	1542	1540	1551	1556	1554	1549	
10.0	1531	1532	1550	1561	1561	1547	
12.5	1518	1522	1546	1564	1564	1543	433
15.0	1501	1509	1539	1561	1563	1536	
17.5	1481	1494	1529	1551	1555	1523	
20.0	1458	1475	1514	1537	1540	1506	
22.5	1431	1453	1494	1517	1518	1485	
25.0	1400	1426	1468	1489	1489	1457	669
27.5	1369	1394	1436	1453	1451	1423	
30.0	1327	1357	1397	1409	1405	1382	
32.5	1284	1315	1350	1357	1352	1335	
35.0	1237	1269	1299	1300	1293	1283	
37.5	1187	1218	1242	1238	1229	1227	800
40.0	1133	1162	1180	1171	1160	1165	
42.5	1075	1101	1113	1099	1087	1098	
45.0	1012	1035	1041	1025	1010	1028	
47.5	947	966	966	947	932	955	
50.0	879	894	889	867	852	879	647
52.5	810	821	811	786	772	802	
55.0	739	746	733	706	692	725	
57.5	668	672	655	628	613	649	
60.0	598	599	580	551	536	574	
62.5	529	528	508	479	464	503	432
65.0	461	459	439	411	398	435	
67.5	396	394	374	348	336	370	
70.0	334	332	312	289	279	310	
72.5	276	274	255	235	226	254	
75.0	221	215	202	185	178	200	215
77.5	170	169	154	139	133	154	
80.0	124	123	111	97	91	110	
82.5	84	82	70	57	52	69	
85.0	47	47	33	29	28	36	
87.5	17	14	11	10	9	12	47
90.0	0	0	0	0	0	0	

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

CERTIFIED TEST REPORT No. 25831

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WHITE REFLECTOR, FROSTED PLASTIC SIDE LENSES & FROSTED .080 CENTER LENS  
TWO SYLVANIA 32 WATT T8 LAMPS, CAT# F032/835/ECO. LUMEN RATING = 2950 LMS.  
ONE SYLVANIA QHE2X32T8/UNV ISN SC BALLAST OPERATING AT 120 VAC AND 52 WATTS

AVERAGE LUMINANCE DATA

CD./SQ.M (FOOTLAMBERTS)

ANGLE	ALONG	22.5	45	67.5	ACROSS
0	5339( 1558)	5339( 1558)	5339( 1558)	5339( 1558)	5339( 1558)
30	5295( 1545)	5430( 1584)	5587( 1630)	5634( 1644)	5607( 1636)
40	5110( 1491)	5255( 1533)	5328( 1555)	5298( 1546)	5233( 1527)
45	4948( 1444)	5066( 1478)	5108( 1490)	5022( 1465)	4956( 1446)
50	4728( 1380)	4827( 1408)	4781( 1395)	4673( 1364)	4580( 1336)
55	4453( 1299)	4504( 1314)	4433( 1293)	4269( 1245)	4185( 1221)
60	4132( 1206)	4155( 1212)	4015( 1171)	3819( 1114)	3705( 1081)
65	3772( 1101)	3756( 1096)	3604( 1052)	3373( 984)	3263( 952)
70	3379( 986)	3362( 981)	3162( 923)	2926( 854)	2816( 821)
75	2949( 860)	2880( 840)	2702( 788)	2481( 724)	2387( 696)
80	2473( 721)	2459( 717)	2212( 645)	1931( 563)	1811( 528)
85	1847( 539)	1871( 546)	1311( 382)	1146( 334)	1104( 322)

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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	0.860	0.860	0.860	0.86	0.840	0.840	0.840	0.84	0.820	0.820	0.820	0.82	0.790	0.790	0.79	0.750	0.750	0.75	0.720	0.720	0.72	0.71			
1	0.800	0.770	0.740	0.71	0.780	0.750	0.730	0.70	0.760	0.740	0.710	0.69	0.710	0.690	0.67	0.680	0.660	0.65	0.650	0.640	0.63	0.62			
2	0.730	0.680	0.640	0.60	0.720	0.670	0.630	0.59	0.700	0.650	0.620	0.58	0.630	0.600	0.57	0.610	0.580	0.56	0.590	0.560	0.54	0.53			
3	0.680	0.600	0.550	0.51	0.660	0.590	0.540	0.50	0.650	0.580	0.540	0.50	0.560	0.520	0.49	0.540	0.510	0.48	0.530	0.500	0.47	0.46			
4	0.620	0.540	0.480	0.44	0.610	0.530	0.480	0.43	0.590	0.520	0.470	0.43	0.510	0.460	0.42	0.490	0.450	0.42	0.470	0.440	0.41	0.40			
5	0.570	0.480	0.420	0.37	0.560	0.470	0.410	0.37	0.540	0.460	0.410	0.37	0.450	0.400	0.36	0.440	0.390	0.36	0.420	0.390	0.35	0.34			
6	0.530	0.430	0.370	0.33	0.520	0.420	0.360	0.32	0.500	0.420	0.360	0.32	0.410	0.360	0.32	0.390	0.350	0.31	0.380	0.340	0.31	0.30			
7	0.490	0.390	0.330	0.29	0.470	0.380	0.320	0.28	0.460	0.380	0.320	0.28	0.370	0.310	0.28	0.360	0.310	0.27	0.350	0.310	0.27	0.26			
8	0.450	0.350	0.290	0.25	0.440	0.340	0.290	0.24	0.430	0.340	0.280	0.24	0.330	0.280	0.24	0.320	0.270	0.24	0.310	0.270	0.24	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	0.300	0.240	0.21	0.290	0.240	0.21	0.280	0.240	0.21	0.19			
10	0.380	0.290	0.220	0.19	0.370	0.280	0.220	0.19	0.370	0.280	0.220	0.19	0.270	0.220	0.19	0.260	0.220	0.18	0.260	0.210	0.18	0.17			

LUMINAIRE INPUT WATTS 52.0

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