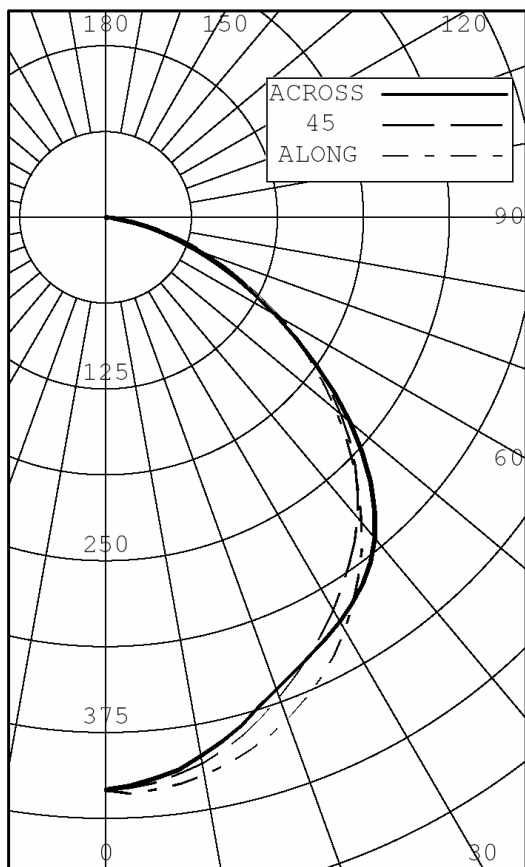




CERTIFIED TEST REPORT No. 25834

FINELITE - 1' X 2' FLUORESCENT RECESSED LUMINAIRE, CAT# HPR-x-1X2-1T8-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



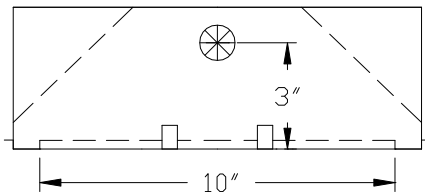
INTENSITY (CANDLEPOWER) SUMMARY						OUTPUT LUMENS
ANGLE	ALONG	22.5	45	67.5	ACROSS	
0	417	417	417	417	417	
5	418	417	413	410	410	40
10	412	409	404	400	398	
15	402	398	389	384	383	110
20	388	381	371	366	365	
25	370	361	351	350	352	164
30	347	337	330	335	340	
35	320	310	308	319	326	197
40	289	280	285	298	304	
45	255	248	256	268	272	199
50	219	214	223	230	232	
55	181	179	186	188	187	164
60	145	144	148	145	143	
65	111	110	111	106	104	108
70	80	79	78	73	71	
75	52	52	49	45	43	52
80	28	28	25	21	20	
85	10	9	6	6	6	10
90	0	0	0	0	0	

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	313	23.22	30.06
0-40	510	37.78	48.92
0-60	873	64.68	83.75
0-90	1043	77.23	100.00
40-90	533	39.45	51.08
60-90	169	12.55	16.25
90-180	0	0.00	0.00
0-180	1043	77.23	100.00

** EFFICIENCY: 77.2% **

LUMINOUS LENGTH: 22.000 INS
WIDTH: 9.750 INS



LUMINANCE SUMMARY CD./SQ.M.

S/MH: 1.2
SC: 1.2

ANGLE	ALONG	45	ACROSS
45	2606	2630	2792
55	2286	2355	2360
65	1897	1912	1792
75	1439	1370	1201
85	799	531	476

CERTIFIED BY:

Tan Levin
PREPARED FOR:

DATE:
AUG 17, 2009

FINELITE
UNION CITY, CA

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	417	417	417	417	417	417	
2.5	420	418	416	414	414	416	
5.0	418	417	413	410	410	414	40
7.5	416	414	409	406	406	410	
10.0	412	409	404	400	398	404	
12.5	408	404	397	392	391	398	
15.0	402	398	389	384	383	391	110
17.5	396	390	380	374	373	382	
20.0	388	381	371	366	365	374	
22.5	379	372	361	357	358	365	
25.0	370	361	351	350	352	356	164
27.5	359	350	341	342	346	347	
30.0	347	337	330	335	340	337	
32.5	334	324	319	327	334	326	
35.0	320	310	308	319	326	315	197
37.5	306	296	297	309	316	303	
40.0	289	280	285	298	304	290	
42.5	272	265	271	284	289	275	
45.0	255	248	256	268	272	259	199
47.5	237	232	240	250	253	242	
50.0	219	214	223	230	232	223	
52.5	200	197	205	209	210	204	
55.0	181	179	186	188	187	184	164
57.5	163	161	167	166	164	165	
60.0	145	144	148	145	143	145	
62.5	128	127	129	125	123	127	
65.0	111	110	111	106	104	109	108
67.5	95	94	94	89	87	92	
70.0	80	79	78	73	71	76	
72.5	65	65	63	58	56	62	
75.0	52	52	49	45	43	48	52
77.5	39	39	36	32	31	36	
80.0	28	28	25	21	20	25	
82.5	18	18	15	11	11	15	
85.0	10	9	6	6	6	7	10
87.5	3	2	1	1	1	1	
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	3013(	879)	3013(	879)	3013(	879)	3013(	879)	3013(	879)
30	2896(	845)	2823(	824)	2763(	806)	2804(	818)	2839(	828)
40	2728(	796)	2652(	774)	2687(	784)	2817(	822)	2870(	837)
45	2606(	760)	2540(	741)	2630(	767)	2746(	801)	2792(	815)
50	2460(	718)	2416(	705)	2510(	732)	2594(	757)	2605(	760)
55	2286(	667)	2257(	658)	2355(	687)	2371(	692)	2360(	688)
60	2098(	612)	2081(	607)	2145(	626)	2106(	614)	2071(	604)
65	1897(	553)	1885(	550)	1912(	558)	1824(	532)	1792(	523)
70	1680(	490)	1680(	490)	1652(	482)	1550(	452)	1503(	438)
75	1439(	420)	1449(	423)	1370(	399)	1258(	367)	1201(	350)
80	1169(341)	1160(338)	1052(307)	881(257)	832(243)
85	799(233)	742(216)	531(155)	466(136)	476(139)

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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	0.940	0.940	0.940	0.94	0.920	0.920	0.920	0.92	0.900	0.900	0.900	0.90	0.860	0.860	0.86	0.820	0.820	0.82	0.790	0.790	0.79	0.77			
1	0.870	0.840	0.810	0.78	0.850	0.820	0.790	0.77	0.830	0.810	0.780	0.75	0.770	0.750	0.73	0.740	0.720	0.71	0.710	0.700	0.69	0.67			
2	0.800	0.740	0.700	0.65	0.780	0.730	0.680	0.64	0.770	0.710	0.670	0.64	0.690	0.650	0.62	0.660	0.630	0.61	0.640	0.620	0.60	0.58			
3	0.740	0.660	0.600	0.55	0.720	0.650	0.590	0.55	0.700	0.640	0.590	0.55	0.620	0.570	0.54	0.600	0.560	0.53	0.580	0.550	0.52	0.50			
4	0.680	0.590	0.520	0.48	0.670	0.580	0.520	0.47	0.650	0.570	0.520	0.47	0.550	0.500	0.46	0.530	0.490	0.46	0.520	0.480	0.45	0.44			
5	0.630	0.530	0.460	0.41	0.610	0.520	0.450	0.40	0.590	0.510	0.450	0.40	0.490	0.440	0.40	0.480	0.430	0.39	0.460	0.420	0.39	0.37			
6	0.580	0.470	0.400	0.36	0.560	0.460	0.400	0.35	0.550	0.460	0.390	0.35	0.440	0.390	0.35	0.430	0.380	0.34	0.420	0.370	0.34	0.33			
7	0.530	0.420	0.360	0.31	0.520	0.420	0.350	0.31	0.510	0.410	0.350	0.31	0.400	0.340	0.30	0.390	0.340	0.30	0.380	0.330	0.30	0.28			
8	0.490	0.380	0.320	0.27	0.480	0.370	0.310	0.27	0.470	0.370	0.310	0.27	0.360	0.300	0.26	0.350	0.300	0.26	0.340	0.300	0.26	0.25			
9	0.450	0.340	0.280	0.23	0.440	0.340	0.270	0.23	0.430	0.330	0.270	0.23	0.320	0.270	0.23	0.320	0.260	0.23	0.310	0.260	0.23	0.21			
10	0.420	0.310	0.240	0.21	0.410	0.310	0.240	0.20	0.400	0.300	0.240	0.20	0.290	0.240	0.20	0.290	0.240	0.20	0.280	0.230	0.20	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.