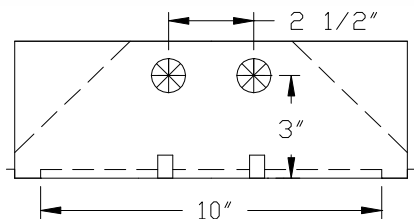
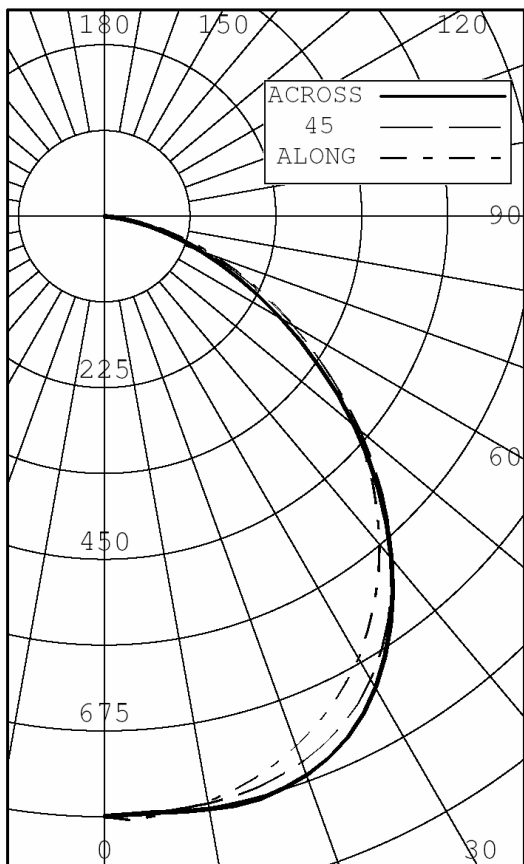




CERTIFIED TEST REPORT No. 25835

FINELITE - 1' X 2' FLUORESCENT RECESSED LUMINAIRE, CAT# HPR-x-1X2-2T8-DCO  
WHITE REFLECTOR, FROSTED PLASTIC SIDE LENSES & FROSTED .080 CENTER LENS  
TWO SYLVANIA 17 WATT T8 LAMPS, CAT# F017/835/ECO. LUMEN RATING = 1350 LMS.  
ONE SYLVANIA QHE2X32T8/UNV ISN SC BALLAST OPERATING AT 120 VAC AND 28 WATTS



LUMINANCE SUMMARY CD./SQ.M.

ANGLE	ALONG	45	ACROSS
45	5087	5282	5218
55	4507	4535	4362
65	3759	3643	3374
75	2892	2671	2382
85	1713	1170	1064

INTENSITY (CANDLEPOWER) SUMMARY						OUTPUT LUMENS
ANGLE	ALONG	22.5	45	67.5	ACROSS	
0	787	787	787	787	787	
5	790	788	786	784	785	76
10	780	780	782	787	790	
15	763	766	776	786	791	219
20	738	745	761	773	779	
25	707	717	737	749	754	337
30	668	679	700	708	712	
35	617	631	648	652	654	400
40	561	575	587	585	585	
45	498	509	515	510	509	391
50	430	437	438	430	428	
55	358	362	359	349	345	317
60	287	289	283	270	266	
65	220	220	212	201	197	209
70	158	158	149	140	136	
75	104	103	96	88	85	102
80	57	56	50	44	41	
85	21	20	14	13	13	21
90	0	0	0	0	0	

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	632	23.40	30.50
0-40	1032	38.21	49.80
0-60	1740	64.45	84.01
0-90	2071	76.72	100.00
40-90	1040	38.51	50.20
60-90	331	12.27	15.99
90-180	0	0.00	0.00
0-180	2071	76.72	100.00

\*\* EFFICIENCY: 76.7% \*\*

LUMINOUS LENGTH: 22.000 INS  
WIDTH: 9.750 INS

S/MH: 1.3  
SC: 1.3

CERTIFIED BY:

*Tan Leung*

PREPARED FOR:

FINELITE  
UNION CITY, CA

DATE:  
AUG 18, 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	787	787	787	787	787	787	
2.5	793	790	786	784	786	787	
5.0	790	788	786	784	785	786	76
7.5	786	785	784	785	788	785	
10.0	780	780	782	787	790	784	
12.5	772	774	780	787	792	781	
15.0	763	766	776	786	791	776	219
17.5	751	756	769	781	786	769	
20.0	738	745	761	773	779	759	
22.5	723	732	750	763	769	748	
25.0	707	717	737	749	754	733	337
27.5	688	699	720	730	735	715	
30.0	668	679	700	708	712	694	
32.5	643	656	675	681	684	669	
35.0	617	631	648	652	654	642	400
37.5	590	604	619	620	621	612	
40.0	561	575	587	585	585	580	
42.5	530	543	552	548	547	545	
45.0	498	509	515	510	509	509	391
47.5	464	474	477	471	469	472	
50.0	430	437	438	430	428	433	
52.5	394	400	398	390	386	394	
55.0	358	362	359	349	345	355	317
57.5	322	325	320	309	305	317	
60.0	287	289	283	270	266	280	
62.5	253	252	247	235	230	244	
65.0	220	220	212	201	197	210	209
67.5	188	188	180	169	166	178	
70.0	158	158	149	140	136	149	
72.5	130	130	121	113	110	121	
75.0	104	103	96	88	85	95	102
77.5	79	78	72	65	62	71	
80.0	57	56	50	44	41	50	
82.5	38	37	31	24	23	31	
85.0	21	20	14	13	13	16	21
87.5	7	5	4	4	4	5	
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	5690( 1660)	5690( 1660)	5690( 1660)	5690( 1660)	5690( 1660)
30	5572( 1626)	5681( 1658)	5851( 1707)	5919( 1727)	5940( 1733)
40	5291( 1544)	5434( 1586)	5537( 1616)	5537( 1616)	5520( 1611)
45	5087( 1484)	5205( 1519)	5282( 1541)	5229( 1526)	5218( 1522)
50	4829( 1409)	4930( 1438)	4919( 1435)	4849( 1415)	4810( 1403)
55	4507( 1315)	4568( 1333)	4535( 1323)	4406( 1286)	4362( 1273)
60	4148( 1210)	4190( 1223)	4099( 1196)	3919( 1143)	3849( 1123)
65	3759( 1097)	3771( 1100)	3643( 1063)	3444( 1005)	3374( 984)
70	3340( 974)	3346( 976)	3162( 923)	2959( 863)	2883( 841)
75	2892( 844)	2883( 841)	2671( 779)	2451( 715)	2382( 695)
80	2367( 691)	2352( 686)	2104( 614)	1819( 531)	1712( 499)
85	1713( 500)	1628( 475)	1170( 341)	1080( 315)	1064( 310)

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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	0.930	0.930	0.930	0.93	0.910	0.910	0.910	0.91	0.890	0.890	0.890	0.89	0.850	0.850	0.85	0.820	0.820	0.82	0.780	0.780	0.78	0.77			
1	0.870	0.830	0.800	0.77	0.850	0.820	0.790	0.76	0.830	0.800	0.770	0.75	0.770	0.740	0.73	0.740	0.720	0.70	0.710	0.700	0.68	0.67			
2	0.800	0.740	0.690	0.65	0.780	0.730	0.680	0.64	0.760	0.710	0.670	0.63	0.680	0.650	0.62	0.660	0.630	0.60	0.640	0.610	0.59	0.58			
3	0.730	0.660	0.600	0.55	0.720	0.650	0.590	0.55	0.700	0.630	0.580	0.54	0.610	0.570	0.53	0.590	0.560	0.52	0.570	0.540	0.52	0.50			
4	0.680	0.590	0.520	0.47	0.660	0.580	0.520	0.47	0.650	0.570	0.510	0.47	0.550	0.500	0.46	0.530	0.490	0.46	0.520	0.480	0.45	0.43			
5	0.620	0.520	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	0.37			
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	0.500	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	0.460	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	0.410	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 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.