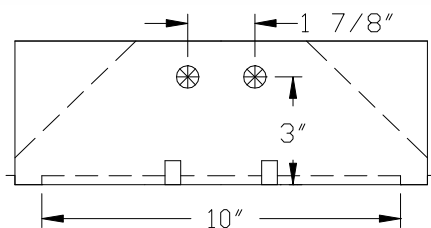
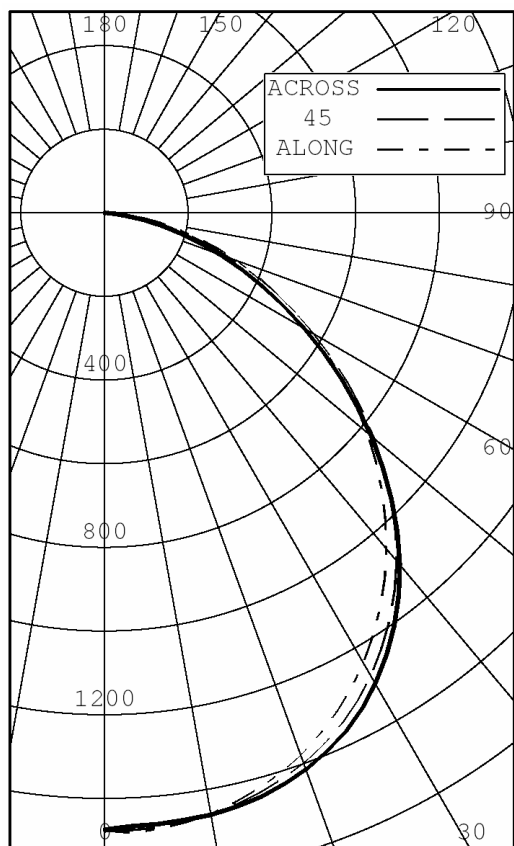




CERTIFIED TEST REPORT No. 25833

FINELITE - 1' X 4' FLUORESCENT RECESSED LUMINAIRE, CAT# HPR-x-1X4-2T5-DCO
WHITE REFLECTOR, FROSTED PLASTIC SIDE LENSES & FROSTED .120 CENTER LENS
TWO SYLVANIA 28 WATT T5 LAMPS, CAT# FP28/835/ECO. LUMEN RATING = 2600 LMS.
ONE SYLVANIA QTP2X28T5/UNV PSN BALLAST OPERATING AT 120 VAC AND 62 WATTS



LUMINANCE SUMMARY CD./SQ.M.

ANGLE	ALONG	45	ACROSS
45	4574	4746	4756
55	4195	4281	4175
65	3716	3670	3428
75	3064	2843	2532
85	2101	1334	1115

INTENSITY (CANDLEPOWER) SUMMARY						OUTPUT LUMENS
ANGLE	ALONG	22.5	45	67.5	ACROSS	
0	1476	1476	1476	1476	1476	
5	1479	1473	1476	1474	1468	142
10	1459	1455	1461	1465	1462	
15	1425	1423	1435	1447	1446	404
20	1377	1379	1397	1413	1414	
25	1315	1321	1345	1365	1366	617
30	1238	1250	1274	1296	1297	
35	1148	1159	1187	1205	1205	737
40	1046	1058	1084	1098	1096	
45	936	946	967	975	969	738
50	818	825	840	841	832	
55	696	700	708	701	690	625
60	574	574	575	562	550	
65	454	451	447	430	418	437
70	339	335	325	306	296	
75	229	227	213	197	189	225
80	133	130	116	101	95	
85	53	49	34	29	28	49
90	0	0	0	0	0	

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	1164	22.38	29.28
0-40	1901	36.56	47.82
0-60	3264	62.78	82.11
0-90	3975	76.45	100.00
40-90	2074	39.89	52.18
60-90	711	13.68	17.89
90-180	0	0.00	0.00
0-180	3975	76.45	100.00

** EFFICIENCY: 76.5% **

LUMINOUS LENGTH: 46.000 INS
WIDTH: 9.750 INS

SC(ALONG): 1.2, SC(ACROSS): 1.3

CERTIFIED BY:

Jan Levin
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

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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	1476	1476	1476	1476	1476	1476	
2.5	1484	1476	1477	1476	1468	1476	
5.0	1479	1473	1476	1474	1468	1474	142
7.5	1471	1466	1469	1469	1465	1468	
10.0	1459	1455	1461	1465	1462	1460	
12.5	1443	1440	1449	1459	1455	1449	
15.0	1425	1423	1435	1447	1446	1435	404
17.5	1403	1402	1418	1431	1432	1417	
20.0	1377	1379	1397	1413	1414	1396	
22.5	1348	1352	1373	1391	1393	1372	
25.0	1315	1321	1345	1365	1366	1343	617
27.5	1278	1286	1312	1333	1334	1309	
30.0	1238	1250	1274	1296	1297	1272	
32.5	1195	1205	1232	1252	1253	1228	
35.0	1148	1159	1187	1205	1205	1182	737
37.5	1098	1110	1138	1154	1153	1132	
40.0	1046	1058	1084	1098	1096	1078	
42.5	992	1003	1028	1038	1035	1021	
45.0	936	946	967	975	969	960	738
47.5	878	886	905	909	902	897	
50.0	818	825	840	841	832	833	
52.5	758	763	774	771	761	767	
55.0	696	700	708	701	690	701	625
57.5	635	637	641	631	620	634	
60.0	574	574	575	562	550	568	
62.5	514	512	511	495	483	504	
65.0	454	451	447	430	418	441	437
67.5	396	392	385	366	356	380	
70.0	339	335	325	306	296	321	
72.5	283	280	267	250	241	265	
75.0	229	227	213	197	189	212	225
77.5	179	177	163	147	140	162	
80.0	133	130	116	101	95	115	
82.5	91	88	72	58	53	73	
85.0	53	49	34	29	28	38	49
87.5	21	15	12	10	9	13	
90.0	0	0	0	0	0	0	

LIGHTING SCIENCES, INC.
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AVERAGE LUMINANCE DATA

CD./SQ.M (FOOTLAMBERTS)

ANGLE	ALONG	22.5	45	67.5	ACROSS
0	5100(1488)	5100(1488)	5100(1488)	5100(1488)	5100(1488)
30	4940(1442)	5002(1460)	5098(1488)	5182(1512)	5174(1510)
40	4721(1377)	4786(1396)	4896(1429)	4968(1450)	4946(1443)
45	4574(1335)	4627(1350)	4746(1385)	4778(1394)	4756(1388)
50	4399(1284)	4452(1299)	4517(1318)	4531(1322)	4471(1304)
55	4195(1224)	4225(1233)	4281(1249)	4238(1237)	4175(1218)
60	3966(1157)	3980(1161)	3980(1161)	3896(1137)	3801(1109)
65	3716(1084)	3693(1078)	3670(1071)	3524(1028)	3428(1000)
70	3425(999)	3398(991)	3288(959)	3102(905)	2992(873)
75	3064(894)	3049(889)	2843(829)	2635(769)	2532(739)
80	2640(770)	2605(760)	2316(676)	2012(587)	1880(548)
85	2101(613)	1962(572)	1334(389)	1160(338)	1115(325)

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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	0.810	0.810	0.81	0.780	0.780	0.78	0.76			
1	0.860	0.820	0.790	0.77	0.840	0.810	0.780	0.75	0.820	0.790	0.770	0.74	0.760	0.740	0.72	0.730	0.710	0.70	0.700	0.690	0.68	0.66			
2	0.790	0.730	0.680	0.64	0.770	0.720	0.670	0.63	0.750	0.700	0.660	0.62	0.670	0.640	0.61	0.650	0.620	0.59	0.630	0.600	0.58	0.57			
3	0.730	0.650	0.590	0.54	0.710	0.640	0.580	0.54	0.690	0.620	0.570	0.53	0.600	0.560	0.52	0.580	0.550	0.51	0.560	0.530	0.50	0.49			
4	0.670	0.580	0.510	0.46	0.650	0.570	0.510	0.46	0.640	0.560	0.500	0.46	0.540	0.490	0.45	0.520	0.480	0.44	0.510	0.470	0.44	0.42			
5	0.620	0.510	0.440	0.39	0.600	0.510	0.440	0.39	0.580	0.500	0.430	0.39	0.480	0.430	0.38	0.460	0.420	0.38	0.450	0.410	0.38	0.36			
6	0.570	0.460	0.390	0.34	0.550	0.450	0.390	0.34	0.540	0.450	0.380	0.34	0.430	0.380	0.34	0.420	0.370	0.33	0.410	0.360	0.33	0.31			
7	0.520	0.410	0.350	0.30	0.510	0.410	0.340	0.30	0.500	0.400	0.340	0.30	0.390	0.330	0.29	0.380	0.330	0.29	0.370	0.320	0.29	0.27			
8	0.480	0.370	0.310	0.26	0.470	0.370	0.300	0.26	0.460	0.360	0.300	0.26	0.350	0.290	0.26	0.340	0.290	0.25	0.330	0.290	0.25	0.24			
9	0.440	0.340	0.270	0.22	0.430	0.330	0.270	0.22	0.420	0.320	0.260	0.22	0.310	0.260	0.22	0.310	0.260	0.22	0.300	0.250	0.22	0.20			
10	0.410	0.300	0.240	0.20	0.400	0.300	0.240	0.20	0.390	0.290	0.240	0.20	0.290	0.230	0.20	0.280	0.230	0.19	0.270	0.230	0.19	0.18			

LUMINAIRE INPUT WATTS 62.0

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.