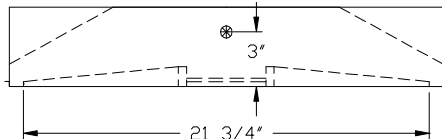
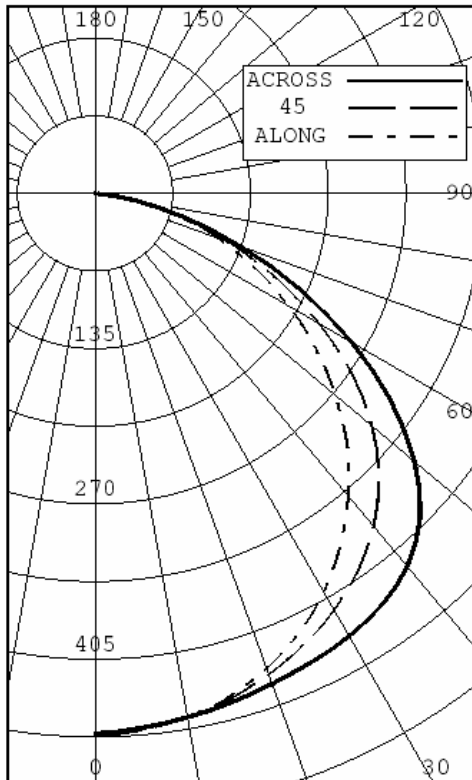




CERTIFIED TEST REPORT No. 25693

FINELITE - 2'X 2' FLUORESCENT RECESSED LUMINAIRE, CAT# HPR-x-2X2-1T5HO-SCO
WHITE REFLECTOR, FROSTED PLASTIC SIDE LENSES & RECT PERF .120 LENS
ONE SYLVANIA 24 WATT T5HO LAMP, CAT# FP24/835/HO/ECO. LUMEN RATING = 1760 LMS.
ONE SYLVANIA QTP1X39-24T5HO/UNV PSN BALLAST OPERATING AT 120 VAC AND 28 WATTS



INTENSITY (CANDLEPOWER) SUMMARY OUTPUT LUMENS

ANGLE	ALONG	22.5	45	67.5	ACROSS	
0	470	470	470	470	470	
5	468	468	468	468	467	45
10	462	462	463	463	463	
15	453	452	455	457	458	128
20	439	438	444	450	453	
25	421	422	432	443	449	199
30	398	400	417	435	444	
35	372	376	399	424	436	250
40	342	349	377	408	422	
45	310	317	349	384	399	269
50	272	281	313	348	362	
55	233	241	271	300	313	242
60	193	200	223	246	256	
65	153	157	173	188	196	171
70	113	116	122	131	135	
75	76	76	76	79	81	83
80	43	40	39	37	37	
85	15	12	10	9	9	15
90	0	0	0	0	0	

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	373	21.19	26.57
0-40	623	35.42	44.41
0-60	1134	64.45	80.82
0-90	1403	79.74	100.00
40-90	780	44.33	55.59
60-90	269	15.29	19.18
90-180	0	0.00	0.00
0-180	1403	79.74	100.00

** EFFICIENCY: 79.7% **

LUMINOUS LENGTH: 22.000 INS
WIDTH: 21.750 INS

LUMINANCE SUMMARY CD./SQ.M.

ANGLE	ALONG	45	ACROSS
45	1420	1603	1834
55	1318	1537	1772
65	1172	1327	1505
75	954	950	1013
85	566	382	344

S/MH: 1.4
SC (ALONG): 1.3, SC (ACROSS): 1.4

CERTIFIED BY:

Jan Levin

DATE:
AUG 19, 2009

PREPARED FOR:

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	470	470	470	470	470	45
2.5	470	470	470	470	469	
5.0	468	468	468	468	467	
7.5	466	465	466	466	465	
10.0	462	462	463	463	463	
12.5	458	458	459	460	461	128
15.0	453	452	455	457	458	
17.5	446	446	449	454	456	
20.0	439	438	444	450	453	
22.5	430	430	438	447	451	
25.0	421	422	432	443	449	199
27.5	410	412	425	440	446	
30.0	398	400	417	435	444	
32.5	386	389	408	430	440	
35.0	372	376	399	424	436	
37.5	358	363	388	417	430	250
40.0	342	349	377	408	422	
42.5	326	333	363	397	412	
45.0	310	317	349	384	399	
47.5	291	299	332	367	382	
50.0	272	281	313	348	362	269
52.5	253	262	293	325	338	
55.0	233	241	271	300	313	
57.5	214	221	248	274	286	
60.0	193	200	223	246	256	
62.5	173	179	198	217	226	171
65.0	153	157	173	188	196	
67.5	133	136	147	159	165	
70.0	113	116	122	131	135	
72.5	94	96	98	104	107	
75.0	76	76	76	79	81	83
77.5	59	57	55	57	57	
80.0	43	40	39	37	37	
82.5	28	25	22	21	20	
85.0	15	12	10	9	9	
87.5	5	3	3	3	3	15
90.0	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	1522(	444)	1522(	444)	1522(	444)	1522(	444)	1522(	444)
30	1490(	434)	1500(	437)	1562(	456)	1631(	476)	1659(	484)
40	1447(	422)	1477(	431)	1593(	465)	1729(	504)	1784(	520)
45	1420(	414)	1453(	424)	1603(	467)	1762(	514)	1834(	535)
50	1372(	400)	1421(	414)	1579(	461)	1757(	513)	1823(	532)
55	1318(	384)	1365(	398)	1537(	448)	1698(	495)	1772(	517)
60	1252(	365)	1298(	378)	1446(	422)	1599(	466)	1660(	484)
65	1172(	342)	1207(	352)	1327(	387)	1445(	421)	1505(	439)
70	1074(	313)	1100(	321)	1160(	338)	1247(	364)	1278(	373)
75	954(	278)	950(	277)	950(	277)	994(	290)	1013(	295)
80	801(233)	748(218)	726(212)	695(202)	691(201)
85	566(165)	465(135)	382(111)	346(101)	344(100)

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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	0.970	0.970	0.970	0.97	0.950	0.950	0.950	0.95	0.930	0.930	0.930	0.93	0.890	0.890	0.89	0.850	0.850	0.85	0.810	0.810	0.81	0.810	0.810	0.81	0.80
1	0.900	0.860	0.830	0.80	0.880	0.840	0.810	0.78	0.850	0.820	0.800	0.77	0.790	0.770	0.75	0.760	0.740	0.72	0.730	0.710	0.70	0.730	0.710	0.70	0.69
2	0.820	0.760	0.710	0.66	0.800	0.740	0.690	0.65	0.780	0.730	0.680	0.64	0.700	0.660	0.63	0.670	0.640	0.61	0.650	0.620	0.60	0.650	0.620	0.60	0.58
3	0.750	0.670	0.600	0.55	0.730	0.660	0.600	0.55	0.720	0.640	0.590	0.54	0.620	0.570	0.53	0.600	0.560	0.52	0.580	0.550	0.52	0.580	0.550	0.52	0.50
4	0.690	0.590	0.520	0.47	0.670	0.580	0.520	0.47	0.660	0.570	0.510	0.46	0.550	0.500	0.46	0.530	0.490	0.45	0.520	0.480	0.44	0.520	0.480	0.44	0.43
5	0.630	0.530	0.450	0.39	0.620	0.520	0.440	0.39	0.600	0.510	0.440	0.39	0.490	0.430	0.39	0.470	0.420	0.38	0.460	0.410	0.38	0.460	0.410	0.38	0.36
6	0.580	0.470	0.390	0.34	0.570	0.460	0.390	0.34	0.550	0.450	0.390	0.34	0.440	0.380	0.33	0.420	0.370	0.33	0.410	0.360	0.33	0.410	0.360	0.33	0.31
7	0.530	0.420	0.350	0.30	0.520	0.410	0.340	0.30	0.510	0.410	0.340	0.29	0.390	0.330	0.29	0.380	0.330	0.29	0.370	0.320	0.28	0.370	0.320	0.28	0.27
8	0.490	0.370	0.300	0.25	0.480	0.370	0.300	0.25	0.470	0.360	0.300	0.25	0.350	0.290	0.25	0.340	0.290	0.25	0.330	0.280	0.25	0.330	0.280	0.25	0.23
9	0.450	0.340	0.260	0.22	0.440	0.330	0.260	0.22	0.430	0.330	0.260	0.22	0.320	0.260	0.22	0.310	0.250	0.21	0.300	0.250	0.21	0.300	0.250	0.21	0.20
10	0.410	0.300	0.230	0.19	0.410	0.300	0.230	0.19	0.400	0.290	0.230	0.19	0.290	0.230	0.19	0.280	0.220	0.19	0.270	0.220	0.19	0.270	0.220	0.19	0.17

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.