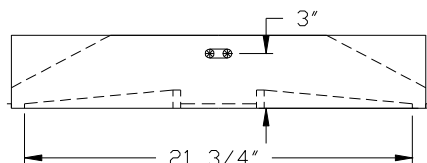
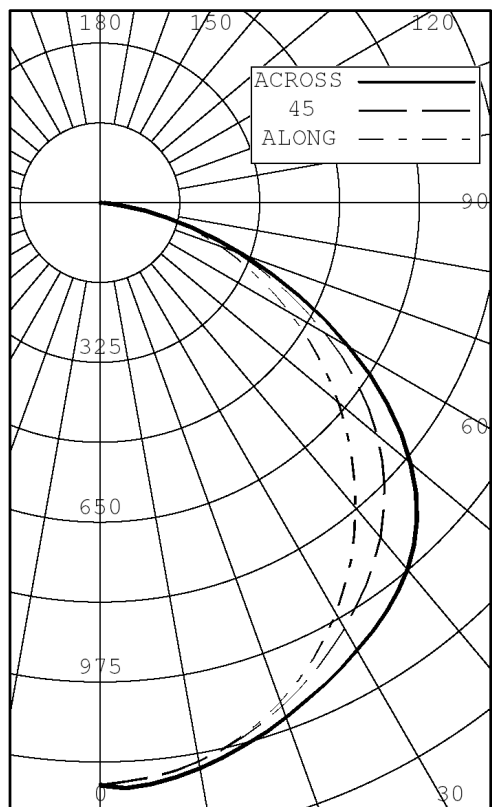




CERTIFIED TEST REPORT No. 26177

FINELITE - 2' X 2' FLUORESCENT RECESSED LUMINAIRE, CAT# HPR-x-2X2-1FT55-DCO
WHITE REFLECTOR, FROSTED PLASTIC SIDE LENSES & FROSTED CENTER LENS
ONE SYLVANIA 55 WATT CFL LAMP, CAT# FT55DL/835. LUMEN RATING = 4800 LMS.
ONE SYLVANIA QTP2X54T5HO/UNV PSN BALLAST OPERATING AT 120 VAC AND 50.3 WATTS



INTENSITY (CANDLEPOWER) SUMMARY OUTPUT LUMENS

ANGLE	ALONG	22.5	45	67.5	ACROSS	
0	1185	1185	1185	1185	1185	
5	1174	1172	1173	1180	1187	113
10	1155	1151	1155	1161	1169	
15	1122	1120	1125	1134	1142	318
20	1078	1078	1087	1102	1112	
25	1024	1027	1044	1068	1082	482
30	961	967	997	1032	1049	
35	890	902	945	993	1016	592
40	808	828	887	946	974	
45	723	748	818	885	911	628
50	633	660	735	799	824	
55	539	568	637	692	713	562
60	445	471	525	568	583	
65	352	371	408	438	446	400
70	262	275	295	311	314	
75	176	181	188	193	193	199
80	101	100	98	95	93	
85	39	36	31	28	26	41
90	0	0	0	0	0	

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	914	19.03	27.39
0-40	1506	31.37	45.15
0-60	2695	56.15	80.81
0-90	3335	69.48	100.00
40-90	1829	38.11	54.85
60-90	640	13.33	19.19
90-180	0	0.00	0.00
0-180	3335	69.48	100.00

** EFFICIENCY: 69.5% **

LUMINOUS LENGTH: 22.000 INS
WIDTH: 21.750 INS

LUMINANCE SUMMARY CD./SQ.M.

ANGLE	ALONG	45	ACROSS
45	3311	3761	4191
55	3043	3608	4041
65	2694	3138	3432
75	2207	2352	2428
85	1449	1144	985

CERTIFIED BY:

Ryder Tammay

DATE:
NOV 5, 2009

PREPARED FOR:

FINELITE
UNION CITY, CA

TESTED IN ACCORDANCE WITH IES PROCEDURES.

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

CERTIFIED TEST REPORT No. 26177

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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	1185	1185	1185	1185	1185	1185	
2.5	1179	1177	1179	1186	1192	1182	
5.0	1174	1172	1173	1180	1187	1176	113
7.5	1166	1163	1165	1171	1179	1168	
10.0	1155	1151	1155	1161	1169	1157	
12.5	1139	1137	1141	1149	1156	1144	
15.0	1122	1120	1125	1134	1142	1128	318
17.5	1102	1100	1107	1118	1128	1110	
20.0	1078	1078	1087	1102	1112	1090	
22.5	1052	1053	1067	1085	1096	1070	
25.0	1024	1027	1044	1068	1082	1048	482
27.5	993	998	1020	1050	1066	1024	
30.0	961	967	997	1032	1049	1000	
32.5	925	935	971	1013	1034	974	
35.0	890	902	945	993	1016	948	592
37.5	849	865	916	971	995	919	
40.0	808	828	887	946	974	888	
42.5	765	788	853	918	945	854	
45.0	723	748	818	885	911	817	628
47.5	678	705	779	845	872	776	
50.0	633	660	735	799	824	731	
52.5	586	616	689	749	772	684	
55.0	539	568	637	692	713	631	562
57.5	493	521	583	634	651	577	
60.0	445	471	525	568	583	520	
62.5	399	421	468	505	516	463	
65.0	352	371	408	438	446	404	400
67.5	307	323	351	373	380	347	
70.0	262	275	295	311	314	292	
72.5	218	226	238	249	250	237	
75.0	176	181	188	193	193	187	199
77.5	136	138	139	140	139	139	
80.0	101	100	98	95	93	97	
82.5	67	64	60	55	52	60	
85.0	39	36	31	28	26	32	41
87.5	15	12	11	10	10	11	
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	3837 (1120)	3837 (1120)	3837 (1120)	3837 (1120)	3837 (1120)
30	3594 (1049)	3627 (1058)	3739 (1091)	3867 (1128)	3925 (1145)
40	3416 (997)	3509 (1024)	3754 (1095)	4012 (1171)	4116 (1201)
45	3311 (966)	3429 (1000)	3761 (1097)	4064 (1186)	4191 (1223)
50	3187 (930)	3338 (974)	3706 (1081)	4038 (1178)	4151 (1211)
55	3043 (888)	3212 (937)	3608 (1053)	3919 (1143)	4041 (1179)
60	2882 (841)	3062 (893)	3406 (994)	3689 (1076)	3776 (1102)
65	2694 (786)	2847 (830)	3138 (916)	3368 (983)	3432 (1001)
70	2485 (725)	2615 (763)	2799 (817)	2952 (861)	2975 (868)
75	2207 (644)	2275 (664)	2352 (686)	2419 (706)	2428 (708)
80	1875 (547)	1863 (543)	1830 (534)	1778 (519)	1734 (506)
85	1449 (423)	1333 (389)	1144 (333)	1029 (300)	985 (287)

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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	0.850	0.850	0.850	0.85	0.830	0.830	0.830	0.83	0.810	0.810	0.810	0.81	0.770	0.770	0.77	0.740	0.740	0.74	0.710	0.710	0.71	0.69			
1	0.780	0.750	0.720	0.69	0.760	0.730	0.710	0.68	0.750	0.720	0.690	0.67	0.690	0.670	0.65	0.660	0.650	0.63	0.640	0.620	0.61	0.60			
2	0.720	0.660	0.620	0.58	0.700	0.650	0.610	0.57	0.690	0.640	0.600	0.56	0.610	0.580	0.55	0.590	0.560	0.54	0.570	0.550	0.53	0.51			
3	0.660	0.580	0.530	0.49	0.640	0.570	0.520	0.48	0.630	0.560	0.520	0.48	0.540	0.500	0.47	0.530	0.490	0.46	0.510	0.480	0.45	0.44			
4	0.610	0.520	0.460	0.42	0.590	0.520	0.460	0.42	0.580	0.510	0.450	0.41	0.490	0.440	0.41	0.470	0.430	0.40	0.460	0.420	0.40	0.38			
5	0.560	0.470	0.410	0.36	0.550	0.460	0.400	0.36	0.530	0.450	0.400	0.36	0.440	0.390	0.35	0.420	0.380	0.35	0.410	0.380	0.34	0.33			
6	0.520	0.420	0.360	0.31	0.500	0.410	0.350	0.31	0.490	0.410	0.350	0.31	0.390	0.340	0.31	0.380	0.340	0.30	0.370	0.330	0.30	0.29			
7	0.470	0.370	0.310	0.27	0.460	0.370	0.310	0.27	0.450	0.360	0.310	0.27	0.350	0.300	0.26	0.340	0.300	0.26	0.330	0.290	0.26	0.25			
8	0.440	0.340	0.280	0.24	0.430	0.330	0.280	0.24	0.420	0.330	0.270	0.23	0.320	0.270	0.23	0.310	0.260	0.23	0.300	0.260	0.23	0.22			
9	0.400	0.310	0.250	0.21	0.390	0.300	0.250	0.21	0.380	0.300	0.240	0.21	0.290	0.240	0.21	0.280	0.240	0.20	0.280	0.230	0.20	0.19			
10	0.370	0.280	0.220	0.18	0.370	0.280	0.220	0.18	0.360	0.270	0.220	0.18	0.260	0.220	0.18	0.260	0.210	0.18	0.250	0.210	0.18	0.17			

LUMINAIRE INPUT WATTS 50.3

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.