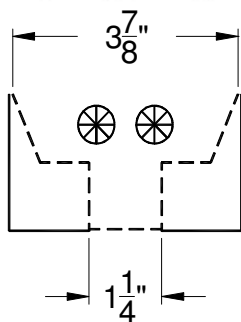
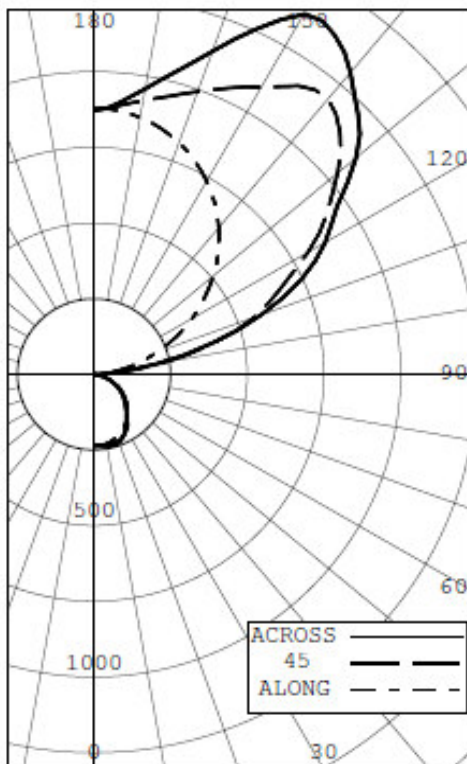




INDEPENDENT TEST LABORATORY REPORT No. 29536

FINELITE - 4' FLUORSCENT LUMINAIRE, CAT# S18-2T5-EP
WITH WHITE INTERIOR, SEMI SPECULAR REFLECTOR AND FROSTED FLAT PLASTIC LENS
TWO PHILIPS 28 WATT T5 LAMPS, CAT# F28T5/835. LUMEN RATING = 2600 LMS.
ONE SYLVANIA QHE2X28T5/UNV PSN BALLAST OPERATING AT 120 VAC AND 62.4 WATTS



LUMINANCE SUMMARY CD./SQ.M.

ANGLE	ALONG	45	ACROSS
45	6045	6035	5770
55	5688	5576	5444
65	5449	5307	4880
75	5752	4559	4018
85	4063	2468	1692

INTENSITY (CANDLEPOWER) SUMMARY						OUTPUT LUMENS
ANGLE	ALONG	22.5	45	67.5	ACROSS	
0	237	237	237	237	237	
5	237	236	237	239	238	23
15	228	231	238	244	244	67
25	210	217	226	228	226	102
35	185	194	194	189	185	119
45	153	160	153	148	146	118
55	117	120	114	113	112	103
65	83	81	80	75	74	78
75	53	47	42	39	37	45
85	13	11	8	6	5	11
90	0	0	0	0	0	
95	28	79	64	47	42	80
105	152	340	405	400	396	374
115	297	593	670	735	748	620
125	440	775	928	965	969	753
135	574	818	1134	1190	1218	778
145	689	849	1164	1338	1370	682
155	779	869	1044	1200	1260	479
165	842	880	952	1010	1036	269
175	876	877	891	896	900	87
180	874	874	874	874	874	

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	192	3.69	4.01
0-40	311	5.98	6.49
0-60	531	10.22	11.09
0-90	665	12.79	13.89
40-90	354	6.81	7.40
60-90	134	2.58	2.80
90-180	4123	79.29	86.11
0-180	4788	92.08	100.00

** EFFICIENCY: 92.1% **

LUMINOUS LENGTH: 44.500 INS
WIDTH: 1.250 INS

S/MH: 1.3
SC (ALONG): 1.2, SC (ACROSS): 1.3

CERTIFIED BY:

Ryder Runney

DATE:
SEP 14, 2011

PREPARED FOR:

FINELITE
UNION CITY, CA

TESTED IN ACCORDANCE WITH IES PROCEDURES.

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

INDEPENDENT TEST LABORATORY REPORT No. 29536

FINELITE - 4' FLUORSCENT LUMINAIRE, CAT# S18-2T5-EP
WITH WHITE INTERIOR, SEMI SPECULAR REFLECTOR AND FROSTED FLAT PLASTIC LENS
TWO PHILIPS 28 WATT T5 LAMPS, CAT# F28T5/835. LUMEN RATING = 2600 LMS.
ONE SYLVANIA QHE2X28T5/UNV PSN BALLAST OPERATING AT 120 VAC AND 62.4 WATTS

INTENSITY (CANDLEPOWER) DATA

ANGLE	PLANE						OUTPUT LUMENS
	ALONG	22.5	45	67.5	ACROSS	AVERAGE	
0	237	237	237	237	237	237	
5	237	236	237	239	238	237	23
10	234	234	238	242	242	238	
15	228	231	238	244	244	237	67
20	220	225	234	240	239	232	
25	210	217	226	228	226	223	102
30	199	207	213	210	207	208	
35	185	194	194	189	185	191	119
40	170	179	174	168	164	172	
45	153	160	153	148	146	152	118
50	135	140	133	130	129	134	
55	117	120	114	113	112	115	103
60	99	100	97	94	92	97	
65	83	81	80	75	74	79	78
70	67	64	61	57	56	61	
75	53	47	42	39	37	43	45
80	37	28	24	21	20	25	
85	13	11	8	6	5	8	11
90	0	0	0	0	0	0	
95	28	79	64	47	42	56	80
100	85	227	231	214	208	205	
105	152	340	405	400	396	355	374
110	223	468	558	583	583	503	
115	297	593	670	735	748	630	620
120	370	703	806	845	870	743	
125	440	775	928	965	969	843	753
130	510	802	1038	1101	1116	939	
135	574	818	1134	1190	1218	1010	778
140	634	833	1188	1283	1302	1068	
145	689	849	1164	1338	1370	1095	682
150	737	862	1095	1302	1374	1079	
155	779	869	1044	1200	1260	1033	479
160	815	876	995	1095	1138	986	
165	842	880	952	1010	1036	945	269
170	863	880	918	945	959	914	
175	876	877	891	896	900	888	87
180	874	874	874	874	874	874	

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ONE SYLVANIA QHE2X28T5/UNV PSN BALLAST OPERATING AT 120 VAC AND 62.4 WATTS

AVERAGE LUMINANCE DATA

CD./SQ.M (FOOTLAMBERTS)

ANGLE	ALONG	22.5	45	67.5	ACROSS
0	6595 (1924)	6595 (1924)	6595 (1924)	6595 (1924)	6595 (1924)
30	6387 (1864)	6687 (1951)	6856 (2001)	6785 (1980)	6653 (1942)
40	6179 (1803)	6511 (1900)	6319 (1844)	6113 (1784)	5975 (1744)
45	6045 (1764)	6305 (1840)	6035 (1761)	5844 (1705)	5770 (1684)
50	5873 (1714)	6074 (1772)	5748 (1677)	5646 (1648)	5580 (1628)
55	5688 (1660)	5834 (1702)	5576 (1627)	5486 (1601)	5444 (1589)
60	5543 (1617)	5597 (1633)	5428 (1584)	5245 (1530)	5137 (1499)
65	5449 (1590)	5377 (1569)	5307 (1549)	4960 (1447)	4880 (1424)
70	5469 (1596)	5243 (1530)	4968 (1450)	4633 (1352)	4524 (1320)
75	5752 (1678)	5061 (1477)	4559 (1330)	4165 (1215)	4018 (1172)
80	5881 (1716)	4545 (1326)	3908 (1140)	3313 (967)	3131 (913)
85	4063 (1186)	3418 (997)	2468 (720)	1895 (553)	1692 (494)

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ONE SYLVANIA QHE2X28T5/UNV PSN BALLAST OPERATING AT 120 VAC AND 62.4 WATTS

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	1.021	1.021	1.021	1.02	0.910	0.910	0.910	0.91	0.790	0.790	0.790	0.79	0.580	0.580	0.58	0.390	0.390	0.39	0.210	0.210	0.21	0.13			
1	0.930	0.890	0.850	0.82	0.830	0.790	0.760	0.73	0.720	0.690	0.670	0.63	0.510	0.490	0.48	0.340	0.330	0.32	0.190	0.180	0.18	0.11			
2	0.850	0.770	0.710	0.66	0.750	0.690	0.640	0.59	0.660	0.600	0.560	0.52	0.450	0.420	0.39	0.300	0.280	0.27	0.170	0.160	0.15	0.09			
3	0.770	0.680	0.610	0.55	0.690	0.610	0.540	0.49	0.600	0.530	0.480	0.44	0.390	0.360	0.33	0.270	0.250	0.23	0.150	0.140	0.13	0.08			
4	0.710	0.600	0.520	0.46	0.630	0.530	0.470	0.42	0.550	0.470	0.410	0.37	0.350	0.310	0.28	0.240	0.210	0.20	0.130	0.120	0.11	0.07			
5	0.650	0.510	0.450	0.39	0.570	0.470	0.400	0.35	0.500	0.420	0.360	0.31	0.310	0.270	0.24	0.210	0.190	0.17	0.120	0.110	0.10	0.06			
6	0.590	0.470	0.390	0.33	0.530	0.420	0.350	0.30	0.460	0.370	0.310	0.27	0.280	0.240	0.21	0.190	0.160	0.14	0.110	0.090	0.08	0.05			
7	0.550	0.420	0.340	0.29	0.480	0.380	0.310	0.26	0.420	0.330	0.270	0.23	0.250	0.210	0.18	0.170	0.140	0.13	0.100	0.080	0.07	0.04			
8	0.500	0.380	0.300	0.25	0.450	0.340	0.270	0.23	0.390	0.300	0.240	0.20	0.220	0.180	0.16	0.150	0.130	0.11	0.090	0.070	0.06	0.04			
9	0.460	0.340	0.270	0.22	0.410	0.310	0.240	0.20	0.360	0.270	0.210	0.18	0.200	0.160	0.14	0.140	0.110	0.10	0.080	0.060	0.06	0.03			
10	0.430	0.310	0.240	0.19	0.380	0.280	0.220	0.17	0.330	0.250	0.190	0.16	0.180	0.150	0.12	0.130	0.100	0.08	0.070	0.060	0.05	0.03			

LUMINAIRE INPUT WATTS 62.4

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.