

## CLEANTRAK FLUORESCENT LIGHTING

Nominal length	Two 3 foot lamps to fill nominal 8 ft grid stick.			
Light Output Level	Level Standard F25T8s		Level High F39T5HO	
Power Consumption	43W		79W	
Fixture Lensing	Clear	Amber	Clear	Amber
Fixture Lumens 8 ft	2130 lm	1396 lm	4250 lm	2918 lm
Fixture Lumen Efficacy	50 lm/W	33 lm/W	53 lm/W	37 lm/W
IES File for Half Stick (4 ft nom length)	ITL75542.ies	ITL76650.ies	ITL76651.ies	ITL76652.ies
Ballast factor	0.88		1.02	
Ballast input amps	0.16A		0.31A	
Power input	277VAC 50/60Hz single phase			
CRI	>78			
Power Factor	>95%			
THD	<20%			
Color temperature	3500K, 4000K			
Life	Lamp life: 20,000 hours			



### Condensed specification:

The Clean-Trak grid system shall have integrated flush lighting within the grid channel that is capable of full filter coverage of the entire ceiling. Light fixtures, such as teardrop lights, that protrude below the ceiling plane are not permitted as they would interfere with grid face hanging systems. Light fixtures, such as troffers, that negate the possibility of having full filter coverage are not permitted. The grid shall be UL listed and so marked. The ballast shall be housed within the grid channel and separated from the low voltage area with a listed wireway cover. The light lens shall sit flush with the bottom of the grid channel. Light lens covers shall be a polycarbonate material. The lens shall snap flush to the grid channel without external fasteners. Lenses shall be available in clear, opaque white, and amber colors. Amber lens shall provide UV filtration up to a wavelength of 470 nanometers.

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IES files below are for one lamp (3 nominal feet).

### Level Standard Clear data ITL75542.ies

CANDELA DISTRIBUTION					FLUX					
0	5	15	25	35	45	55	65	75	85	90
0.0	531	506	457	379	237	112	63	31	5	0
22.5	531	501	437	337	274	218	152	80	17	2
45.0	531	479	385	331	276	215	145	77	18	4
67.5	531	463	379	330	274	217	151	86	26	6
90.0	531	449	372	323	269	213	149	83	25	7

ZONAL LUMEN SUMMARY			
ZONE	LUMENS	%LAMP	%FIXT
0- 30	370	17.8	30.6
0- 40	581	27.9	48.0
0- 60	971	46.7	80.2
0- 90	1210	58.2	100.0
90-180	0	0.0	0.0
0-180	1210	58.2	100.0

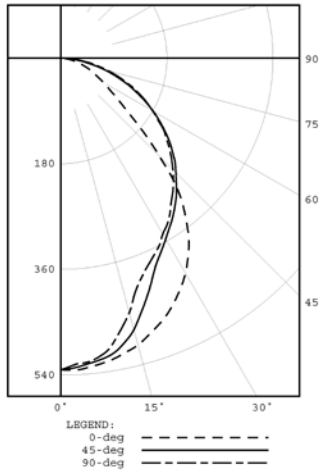
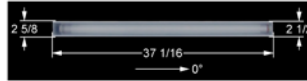
TOTAL LUMINAIRE EFFICIENCY = 58.2 %

#### CIE TYPE - DIRECT

PLANE	: 0-DEG	90-DEG
SPACING CRITERIA	: 1.19	0.98
SHIELDING ANGLES	: 90	90
LUMINOUS LENGTH	: 36.938	2.500
HEIGHT OF SIDE	: 0.062	0.062

#### LUMINANCE DATA IN CANDELA/SQ M

ANGLE IN DEG	AVERAGE 0-DEG	AVERAGE 45-DEG	AVERAGE 90-DEG
45	5616.	6430.	6230.
55	3270.	6127.	6018.
65	2493.	5535.	5617.
75	1998.	4665.	4923.
85	945.	2851.	3745.



### Level Standard Amber data ITL76650.ies

CANDELA DISTRIBUTION					FLUX					
0	5	15	25	35	45	55	65	75	85	90
0.0	340	340	340	340	340	340	340	340	340	340
22.5	340	339	338	337	337	337	337	337	337	32
45.0	340	325	325	322	319	317	317	317	317	90
67.5	340	297	294	283	272	268	268	268	268	130
90.0	340	253	244	229	224	224	224	224	224	146

ZONAL LUMEN SUMMARY			
ZONE	LUMENS	%LAMP	%FIXT
0- 30	253	12.1	31.9
0- 40	399	19.2	50.3
0- 60	658	31.7	83.1
0- 90	793	38.1	100.0
90-180	0	0.0	0.0
0-180	793	38.1	100.0

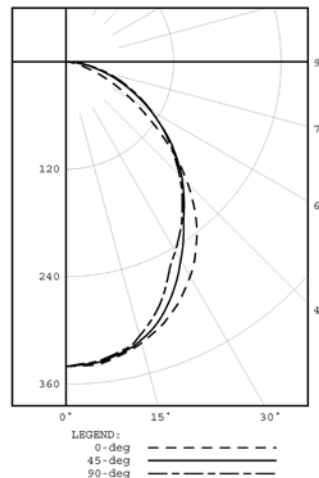
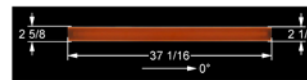
TOTAL LUMINAIRE EFFICIENCY = 38.1 %

#### CIE TYPE - DIRECT

PLANE	: 0-DEG	90-DEG
SPACING CRITERIA	: 1.21	1.08
SHIELDING ANGLES	: 90	90
LUMINOUS LENGTH	: 37.063	2.500

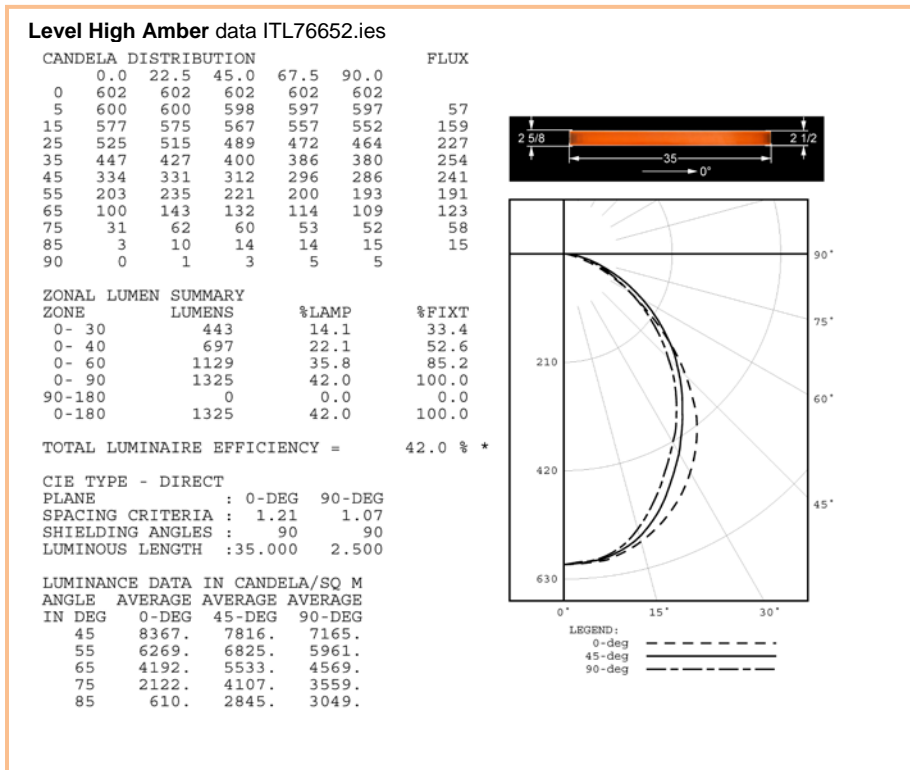
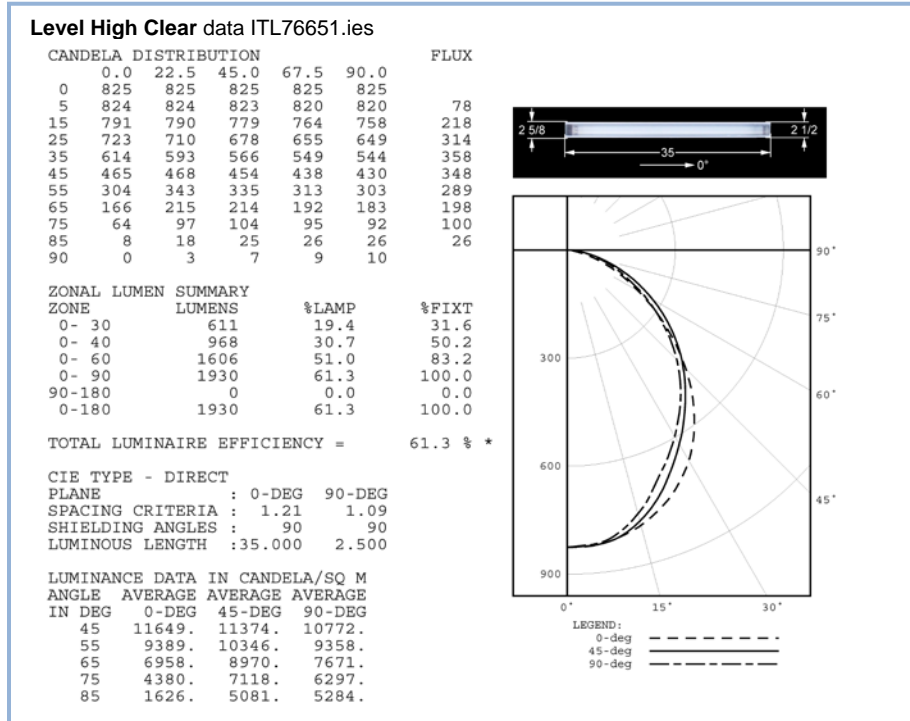
#### LUMINANCE DATA IN CANDELA/SQ M

ANGLE IN DEG	AVERAGE 0-DEG	AVERAGE 45-DEG	AVERAGE 90-DEG
45	4542.	4329.	4235.
55	3412.	3908.	3879.
65	2335.	3365.	3483.
75	1228.	2779.	3038.
85	384.	1919.	2495.



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IES files below are for one lamp (3 nominal feet).



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**Spectral irradiance with amber lens.**

