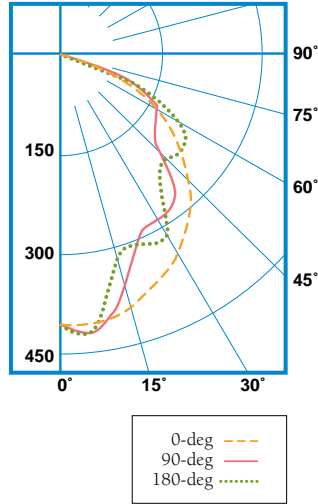


Clarity Track

ITL Test # 54172

Lamps	Four 4.9 watt T-1 cold cathode linear fluorescent.	
Total Input Watts	23.1 at 120.0 volts	
Lamps Rated	349 Lumens each	
Total Luminaire Efficiency	70.8%	
CIE Type	Direct	
Plane	0-Deg	90-Deg
Spacing Criteria	1.2	1.1
Shielding Angles	3	15
Plane	0-Deg	90-Deg
Luminous Length	17.813	3.000



Candela Distribution						Flux
	0.0	22.5	45.0	67.5	90.0	
0	413	413	413	413	413	
5	411	414	423	423	420	39
15	394	407	357	332	315	102
25	362	347	288	307	314	148
35	318	267	280	272	246	173
45	260	218	204	212	220	170
55	194	179	169	211	221	170
65	120	104	140	149	141	128
75	52	68	47	29	19	50
85	4	4	4	7	5	7
90	0	0	0	0	0	

Luminance Data in Candela/Sq M				
Angle in Deg	Average 0-Deg	Average 45-Deg	Average 90-Deg	
45	10661	8365	9021	
55	9807	8543	11172	
65	8233	9605	9674	
75	5825	5265	2129	
85	1331	1331	1663	

Clarity track lighting fixture using four, T-1 18" nominal length lamps. Use the following conversion factors to prorate the photometric data shown to the desired lamp/ luminaire length.

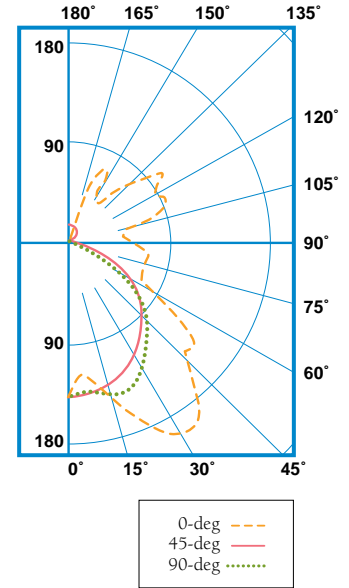
LAMP	LUMINAIRE LENGTH	LAMP CONVERSION FACTOR
6"	6"	0.28
12"	12"	0.64
18"	18"	1.00
24"	24"	1.36

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Select

ITL Test # 54173

Lamps	One 4.9 watt T-1 cold cathode linear fluorescent, rated 349 Lumens One 6.3 watt T-1 cold cathode linear fluorescent, rated 475 Lumens		
Total Input Watts	14.6 at 120.0 volts		
Total Luminaire Efficiency	75.2%		
CIE Type	Semi-Direct		
Plane	0- Deg	90- Deg	180- Deg
Spacing Criteria	1.8	1.3	1.3
Shielding Angles	90	90	



Candela Distribution						Flux
	0.0	45.0	90.0	135.0	180.0	
0	140	140	140	140	140	
5	122	126	140	140	137	13
15	147	127	135	136	145	38
25	188	151	126	137	140	66
35	201	178	112	121	121	88
45	148	163	94	96	97	93
55	113	116	71	71	60	81
65	69	59	46	33	23	49
75	69	46	16	9	6	29
85	66	30	1	1	1	18
90	53	27	0	0	0	
95	49	27	0	0	0	15
105	66	50	4	0	0	23
115	93	61	7	0	0	28
125	99	63	8	1	1	28
135	70	34	10	2	1	19
145	39	61	11	4	2	14
155	71	44	13	7	4	11
165	29	18	14	12	10	5
175	16	17	15	14	14	1
180	15	15	15	15	15	

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixt
0-30	117	14.1	18.8
0-40	205	24.8	33.0
0-60	378	45.9	61.1
0-90	475	57.6	76.6
90-120	67	8.1	10.7
90-130	94	11.4	15.2
90-150	127	15.5	20.6
90-180	145	17.6	23.4
0-180	620	75.2	100.0

Select undercabinet lighting fixture using one each of T-1 18" & 24" nominal length lamps. Use the following conversion factors to prorate the photometric data shown to the desired luminaire length.

LAMP	LUMINAIRE LENGTH	LAMP CONVERSION FACTOR
One 6"	6"	0.12
6" & 12" pair	12"	0.39
12" & 18" pair	18"	0.70
18" & 24" pair	24"	1.00