

REPORT NUMBER: ITL71523

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ISSUE DATE: 01/24/12

PREPARED FOR: FINELITE, INC.

CATALOG NUMBER: MURO 4FT # 68284

LUMINAIRE: EXTRUDED WHITE PAINTED METAL HOUSING WITH FABRICATED WHITE PAINTED METAL END CAPS AND SPACERS, FORMED WHITE PAINTED METAL REFLECTOR, OPEN FRONT.

LAMP: ONE 22-WATT T-8 STYLE 4-FOOT LINEAR LED LAMP WITH BI-PIN CONTACTS AND INTEGRAL LED DRIVER, SYLVANIA LED22T8L48/835/120/120277V, TUBE HORIZONTAL WITH LEDS AIMED 45-DEGREES BELOW THE HORIZON.

MOUNTING: SUSPENDED

NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED AT RATED INPUT VOLTAGE (120VAC, 60Hz) TO THE LED ASSEMBLY.

TOTAL INPUT WATTS = 19.1 AT 120.0 VOLTS

TEST PROCEDURE: IESNA LM-79-08

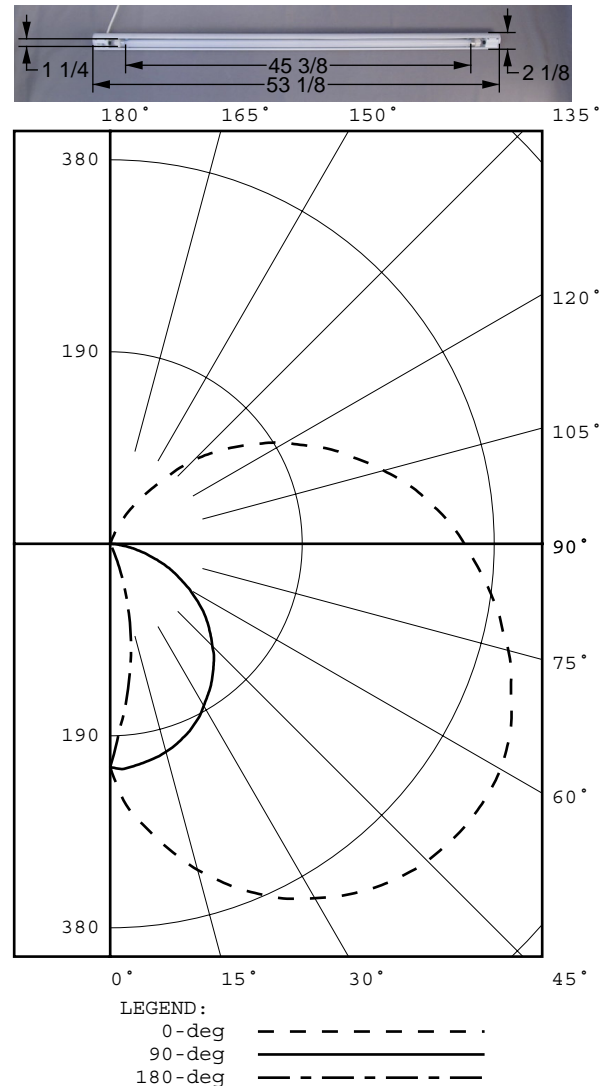
TEST DISTANCE = 33.25 FEET

CANDELA DISTRIBUTION

	0.0	45.0	90.0	135.0	180.0
0	221	221	221	221	221
5	270	256	222	182	165
15	334	300	213	110	71
25	386	332	197	43	2
35	422	348	173	0	0
45	444	351	143	0	0
55	449	341	110	0	0
65	437	320	72	0	0
75	408	286	35	0	0
85	370	245	7	0	0
90	352	227	0	0	0
95	330	209	0	0	0
105	280	169	0	0	0
115	227	130	0	0	0
125	171	91	0	0	0
135	117	51	0	0	0
145	59	21	0	0	0
155	19	0	0	0	0
165	0	0	0	0	0
175	0	0	0	0	0
180	0	0	0	0	0

FLUX

21
58
89
115
137
149
152
141
123
103
81
59
38
20
8
1
0
0



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXT
0- 30	168	13.0
0- 40	284	21.9
0- 60	570	43.9
0- 90	986	76.0
90-120	243	18.8
90-130	281	21.7
90-150	309	23.9
90-180	310	24.0
0-180	1296	100.0

EFFICACY = 67.9 Lm/W

CIE TYPE - SEMI-DIRECT

PLANE : 0-DEG 90-DEG 180-DEG

SPACING CRITERIA : 2.49 1.24 0.36

Checked *S. BERGIN*
Approved *R. BEATTIE*
Lighting Engineer



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CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0	112.5	135.0	157.5	180.0
0.0	221	221	221	221	221	221	221	221	221
5.0	270	258	256	240	222	203	182	177	165
10.0	302	291	279	252	218	182	147	131	117
15.0	334	321	300	262	213	160	110	87	71
20.0	362	347	318	268	206	138	76	47	31
25.0	386	367	332	271	197	115	43	15	2
30.0	405	385	342	272	185	92	16	0	0
35.0	422	400	348	270	173	68	0	0	0
40.0	435	411	351	265	159	44	0	0	0
45.0	444	417	351	257	143	24	0	0	0
50.0	448	421	347	248	127	8	0	0	0
55.0	449	421	341	237	110	0	0	0	0
60.0	446	417	333	222	91	0	0	0	0
65.0	437	408	320	206	72	0	0	0	0
70.0	422	394	304	190	53	0	0	0	0
75.0	408	377	286	171	35	0	0	0	0
80.0	390	358	266	149	19	0	0	0	0
85.0	370	338	245	125	7	0	0	0	0
90.0	352	317	227	105	0	0	0	0	0
95.0	330	293	209	85	0	0	0	0	0
100.0	307	271	188	72	0	0	0	0	0
105.0	280	246	169	60	0	0	0	0	0
110.0	253	221	149	47	0	0	0	0	0
115.0	227	196	130	35	0	0	0	0	0
120.0	200	171	111	25	0	0	0	0	0
125.0	171	146	91	17	0	0	0	0	0
130.0	144	120	69	9	0	0	0	0	0
135.0	117	92	51	3	0	0	0	0	0
140.0	84	66	36	0	0	0	0	0	0
145.0	59	46	21	0	0	0	0	0	0
150.0	38	27	7	0	0	0	0	0	0
155.0	19	9	0	0	0	0	0	0	0
160.0	1	0	0	0	0	0	0	0	0
165.0	0	0	0	0	0	0	0	0	0
170.0	0	0	0	0	0	0	0	0	0
175.0	0	0	0	0	0	0	0	0	0
180.0	0	0	0	0	0	0	0	0	0



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5-DEGREE
ZONAL LUMEN SUMMARY

0- 5	5.
5- 10	15.
10- 15	25.
15- 20	34.
20- 25	41.
25- 30	48.
30- 35	55.
35- 40	61.
40- 45	66.
45- 50	70.
50- 55	74.
55- 60	76.
60- 65	76.
65- 70	75.
70- 75	73.
75- 80	69.
80- 85	64.
85- 90	59.
90- 95	54.
95-100	49.
100-105	43.
105-110	38.
110-115	32.
115-120	27.
120-125	22.
125-130	17.
130-135	12.
135-140	8.
140-145	5.
145-150	3.
150-155	1.
155-160	0.
160-165	0.
165-170	0.
170-175	0.
175-180	0.

10-DEGREE
ZONAL LUMEN SUMMARY

0- 10	21.
0- 20	79.
0- 30	168.
0- 40	284.
0- 50	420.
0- 60	570.
0- 70	721.
0- 80	863.
0- 90	986.
0-100	1088.
0-110	1170.
0-120	1229.
0-130	1267.
0-140	1287.
0-150	1295.
0-160	1296.
0-170	1296.
0-180	1296.



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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

EFFECTIVE FLOOR CAVITY REFLECTANCE 0.20

RC	80				70				50			30			10			0	
	RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	113	113	113	113	113	108	108	108	108	98	98	98	89	89	89	80	80	80	76
1	99	93	87	81	94	88	83	78	79	75	71	71	68	65	64	61	58	55	55
2	88	78	70	63	83	74	67	60	67	61	55	60	55	50	53	49	46	42	42
3	80	67	58	50	75	64	55	48	57	50	45	51	46	41	46	41	37	34	34
4	72	59	49	42	68	56	47	40	50	43	37	45	39	34	40	35	31	28	28
5	66	52	42	35	62	49	40	34	45	37	31	40	34	29	36	30	26	23	23
6	61	46	37	30	57	44	35	29	40	32	27	36	29	25	32	27	23	20	20
7	56	42	32	26	53	40	31	25	36	29	23	32	26	21	29	24	20	17	17
8	52	38	29	23	49	36	28	22	33	26	20	30	23	19	27	21	17	15	15
9	48	35	26	20	46	33	25	20	30	23	18	27	21	17	25	19	16	13	13
10	45	32	24	18	43	30	23	18	28	21	16	25	19	15	23	18	14	12	12

ALL CANDELA, LUMENS, LUMINANCE, AND VCP VALUES IN THIS REPORT ARE BASED ON ABSOLUTE PHOTOMETRY. THE COEFFICIENT OF UTILIZATION VALUES ARE BASED ON THE TOTAL ABSOLUTE LUMEN OUTPUT OF THIS TEST SAMPLE.

NOTE: THE ZONAL CAVITY CALCULATION TECHNIQUE IS ACCURATE WHEN LUMINAIRES WITH SYMMETRIC CANDELA DISTRIBUTIONS ARE EMPLOYED AND WHEN THE LUMINAIRES ARE LOCATED SYMMETRICALLY THROUGHOUT THE ROOM. THIS UNIT HAS SPECIAL CHARACTERISTICS AND THEREFORE THESE COEFFICIENTS SHOULD BE USED WITH CAUTION.



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