

# Ellipse Size C - Metal Halide T15 Lamp

**LAMP:**

400W Clear T-15 Metal Halide

Horizontal Position, 36,000

Lumens

**REFLECTOR:**

- Segmented Specular Aluminum
- Internal reflector is Adjustable
- Optical Housing is Adjustable

**MULTIPLIER FOR OTHER LAMPS:**

250W (MH250/T15/MOG) = 0.58

**WALL MOUNTED**

**FORWARD THROW**  
(Clear Lens)

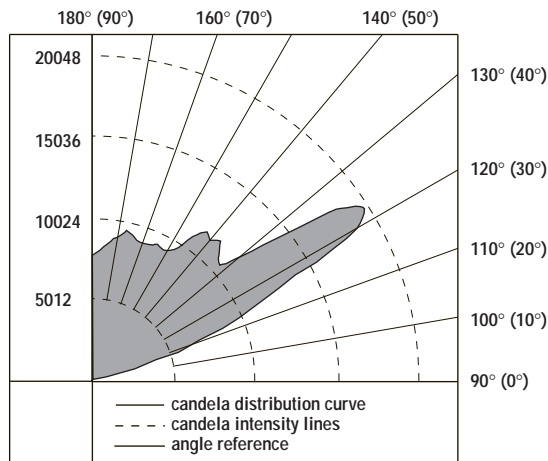


**ELC402MA  
ESC402MA  
SHC402MA**

**TEST NUMBER: ITL52037**

ZONAL LUMEN SUMMARY			
Zonal	Lumens	%Lamp	% Fixt.
0-30	0	0.0	0.0
0-40	0	0.0	0.0
0-60	0	0.0	0.0
0-90	0	0.0	0.0
90-120	7209	20.0	26.5
90-130	12735	35.4	46.8
90-150	21240	59.0	78.1
90-180	27202	75.6	100.0
0-180	27205	75.6	100.0

TOTAL LUMINARE EFFICIENCY=75.6%



**WALL MOUNTED**

**STANDARD THROW**  
(Stippled Lens)

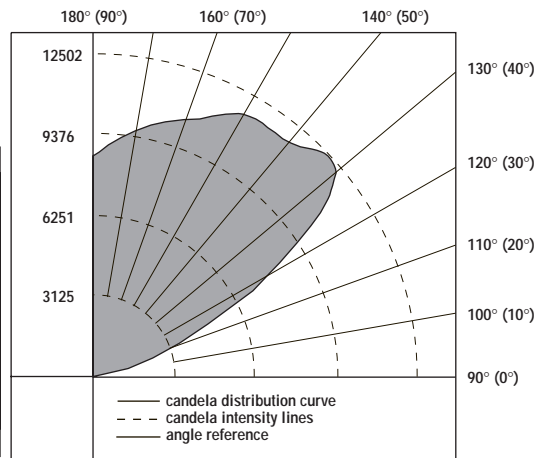


**ELC403MA  
ESC403MA  
SHC403MA**

**TEST NUMBER: ITL52160**

ZONAL LUMEN SUMMARY			
Zonal	Lumens	%Lamp	% Fixt.
0-30	0	0.0	0.0
0-40	0	0.0	0.0
0-60	0	0.0	0.0
0-90	0	0.0	0.0
90-120	4968	13.8	18.8
90-130	9732	27.0	36.8
90-150	19490	54.1	73.8
90-180	26422	73.4	100.0
0-180	26422	73.4	100.0

TOTAL LUMINARE EFFICIENCY=73.4%



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Charts below illustrate the center section of a wall lighted by 6 or more luminaires. Values based on ceiling, wall and floor reflective factors of 0.80/0.50/0.20

**CEILING  
MOUNTED  
STANDARD  
THROW  
(Stippled  
Lens)  
Tilt @ 23°  
ELC403MA  
SHC403MA**

Height	6 Feet from wall											9 Feet from wall																				
	8 ft.o.c.			12 ft.o.c.				18 ft.o.c.				18 ft.o.c.			18 ft.o.c.			18 ft.o.c.														
2 ft.	251	242	229	242	251	171	186	145	133	145	186	171	165	159	104	75	50	50	60	75	159	165	89	86	70	65	56	56	65	70	86	89
4 ft.	291	284	290	284	291	226	213	173	175	173	213	226	196	184	137	90	63	63	93	90	184	196	111	105	92	78	68	68	78	92	105	111
6 ft.	281	277	254	277	281	213	206	174	160	174	206	213	159	176	140	96	70	70	80	96	176	159	106	110	99	85	75	75	85	99	110	106
8 ft.	229	228	186	228	229	156	165	149	123	149	165	156	106	117	112	88	69	69	73	88	117	106	89	93	91	83	75	75	83	91	93	89
10 ft.	161	171	130	171	161	106	113	116	90	116	113	106	69	75	75	68	62	62	58	68	75	69	70	73	74	72	70	70	72	74	73	70
12 ft.	129	130	130	130	129	91	91	90	90	90	91	91	69	68	63	57	53	53	56	57	68	69	70	69	67	64	62	62	64	67	69	70
14 ft.	100	100	93	100	100	71	70	70	66	70	70	71	47	51	49	46	44	44	45	46	51	47	54	57	56	55	54	54	55	56	57	54
16 ft.	78	78	70	78	78	56	56	56	51	56	56	56	35	37	38	37	37	37	35	37	37	35	43	45	47	47	46	46	47	47	45	43
18 ft.	63	63	55	63	63	44	46	46	40	46	46	44	28	29	30	31	31	31	28	31	29	28	36	37	39	40	40	40	40	39	37	36
20 ft.	50	52	44	52	50	36	37	38	33	38	37	36	22	23	24	25	25	25	23	25	23	22	30	31	32	33	34	34	33	32	31	30
22 ft.	44	44	44	44	44	33	33	33	33	33	33	33	22	22	22	22	22	22	22	22	22	22	30	30	30	30	30	30	30	30	30	30
24 ft.	39	39	38	39	39	29	29	30	29	30	29	29	20	20	20	20	20	20	20	20	20	20	27	27	27	27	27	27	27	27	27	27

137 | 7.6:1 | 2.1:1
96 | 7.8:1 | 2.4:1
66 | 10.8:1 | 3.2:1
59 | 4.2:1 | 1.9:1

⋮ Ratio of maximum FC to average FC (Max:Avg.)  
 ⋮ Ratio of maximum FC to minimum FC (Max:Min.)  
 ⋮ Footcandles average initial, perpendicular to wall (FCAI)