

Ellipse Size B - Metal Halide ED17 Lamp

LAMP:

175W Clear ED17 Metal Halide
Horizontal Position, 13,300 Lumens

REFLECTOR:

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

MULTIPLIER FOR OTHER LAMPS:

50W (MH50/U/M) = 0.25
70W (MH70/U/M) = 0.42
100W (MH100/U/M) = 0.68
150W (MH150/U/M) = 1.05

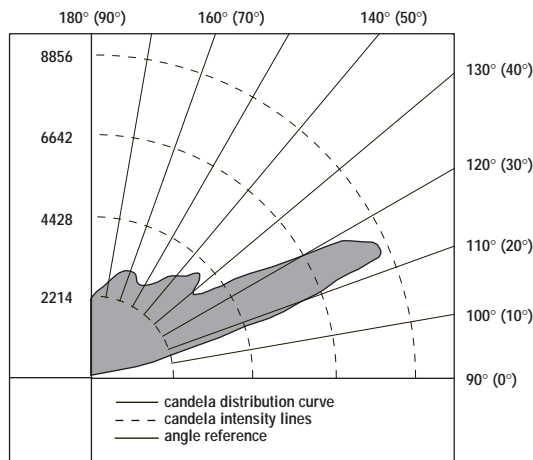
**WALL MOUNTED
FORWARD THROW
(Clear Lens)**



**ELB172MA
ESB172MA
SHB172MA**

TEST NUMBER: ITL52036

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	4268	31.6	38.3
90-130	6106	45.2	54.8
90-150	9247	68.5	83.0
90-180	11138	82.5	100.0
0-180	11139	82.5	100.0
TOTAL LUMINARE EFFICIENCY= 82.5%			



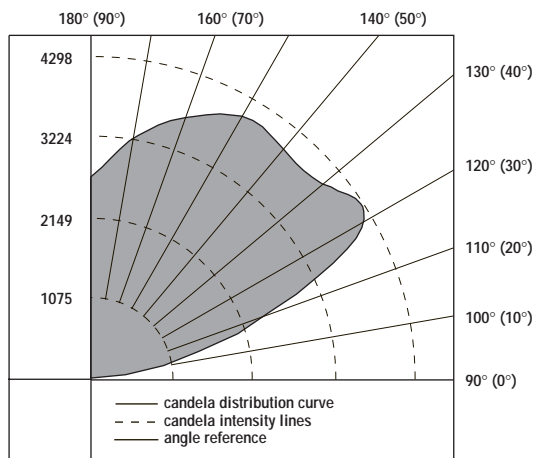
**WALL MOUNTED
STANDARD THROW
(Stippled Lens)**



**ELB174MA
ESB174MA
SHB174MA**

TEST NUMBER: ITL52159

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	2606	19.3	24.5
90-130	4555	33.7	42.8
90-150	8285	61.4	77.8
90-180	10650	78.9	100.0
0-180	10650	78.9	100.0
TOTAL LUMINARE EFFICIENCY= 78.9%			



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

	4 Feet from wall					5 Feet from wall					6 Feet from wall												
	8 ft.o.c.					8 ft.o.c.					10 ft.o.c.					12 ft.o.c.							
2 ft.	142	127	117	127	142	109	103	98	103	109	88	88	70	69	88	88	65	65	52	49	52	65	65
4 ft.	142	130	127	130	142	114	110	110	110	114	98	94	79	80	94	98	73	70	59	59	59	70	73
6 ft.	117	110	91	110	117	103	100	89	100	103	87	85	75	68	85	87	67	66	58	53	58	66	67
8 ft.	77	75	54	75	77	78	78	60	78	78	59	64	60	47	64	59	51	54	50	41	50	54	51
10 ft.	44	48	34	48	44	50	54	39	54	50	38	41	43	32	41	38	35	37	38	29	38	37	35
12 ft.	34	34	34	34	34	40	40	39	40	40	32	32	32	32	32	32	30	30	29	29	29	30	30
14 ft.	26	26	24	26	26	30	30	28	30	30	24	24	24	23	24	24	23	23	23	21	23	23	23
16 ft.	21	21	19	21	21	24	24	22	24	24	19	19	19	17	19	19	18	18	18	16	18	18	18
18 ft.	17	17	15	17	17	20	20	17	20	20	15	16	16	14	16	15	15	15	15	13	15	15	15
20 ft.																	12	13	13	11	13	13	12
22 ft.																	11	11	11	11	11	11	11
24 ft.																	10	10	10	10	10	10	10

63 9.3:1 2.3:1
60 6.4:1 1.9:1
48 6.8:1 2.0:1
32 7.2:1 2.3:1

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



Ellipse Size B - Compact Fluorescent PT-L Lamp

LAMP:

42W Compact Fluorescent
Horizontal Position, 3,200 Lumens

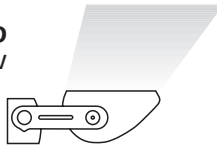
REFLECTOR:

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

MULTIPLIER FOR OTHER LAMPS:

57W (GX24Q-5) = 1.3
26W (GX24Q-3) = 0.56
72W (GX24Q-3) = 0.75

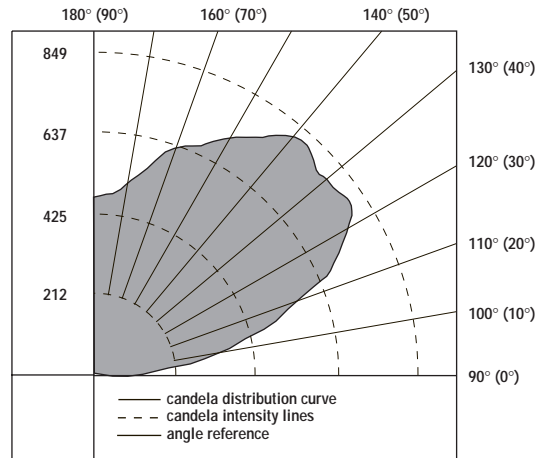
**WALL MOUNTED
FORWARD THROW
(Clear Lens)**



**ELB44HF
ESB44HF
SHB44HF**

TEST NUMBER: ITL49638

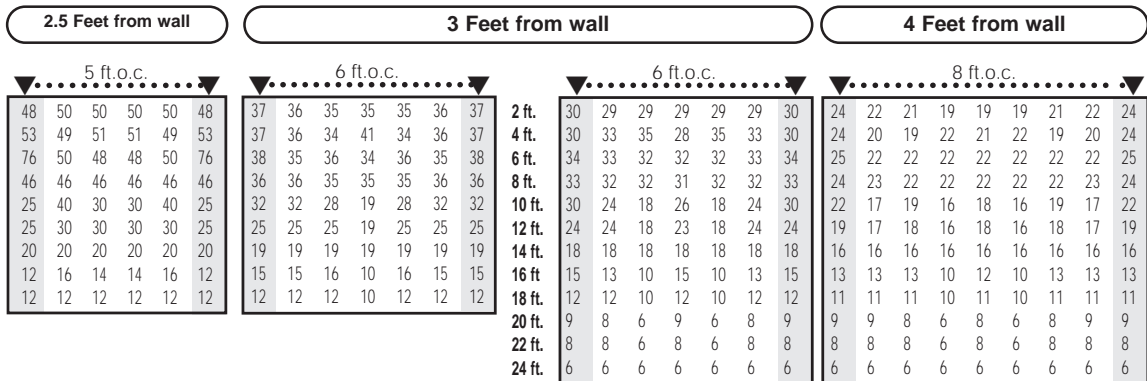
ZONAL LUMEN SUMMARY			
Zonal	Lumens	%Lamp	% Fixt.
0-30	0	0.0	0.0
0-40	0	0.0	0.0
0-60	0	0.0	0.0
0-90	0	0.0	0.0
90-120	581	18.2	28.5
90-130	941	29.4	46.1
90-150	1625	50.8	79.6
90-180	2031	63.5	99.5
0-180	2042	63.8	100.0
TOTAL LUMINAIRE EFFICIENCY= 63.8%			



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
FORWARD
THROW
(Clear Lens)
Tilt @ 23°**

**ELB44HF
SHB44HF**



33 | 5.2:1 | 1.6:1
27 | 4.0:1 | 1.5:1
19 | 5.4:1 | 1.8:1
15 | 4.1:1 | 1.7:1

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)

Ellipse Size B - Halogen T3 Lamp

LAMP:

500W Frosted T3 Halogen
Horizontal Position, 10,300

Lumens

REFLECTOR:

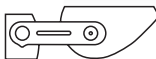
- Segmented Specular Aluminum
 - Internal reflector is not
- Adjustable
- Optical Housing is Adjustable

MULTIPLIER FOR OTHER LAMPS:

300W (Q300T3) = 0.57
350W (Q350T3/CL/HIR) = 0.97

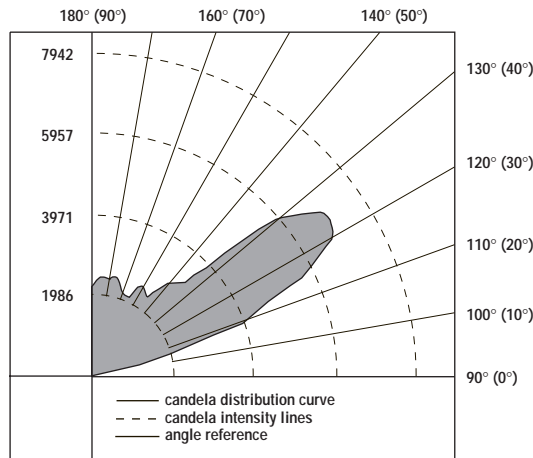
**WALL MOUNTED
FORWARD THROW
(Clear Lens)**

ELB502HA
ESB502HA
SHB502HA



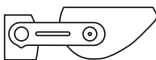
TEST NUMBER: ST02017

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	2812	27.3	30.2
90-130	4877	47.4	52.4
90-150	7496	72.8	80.6
90-180	9283	90.1	99.8
0-180	9300	90.3	100.0
TOTAL LUMINARE EFFICIENCY=90.3%			



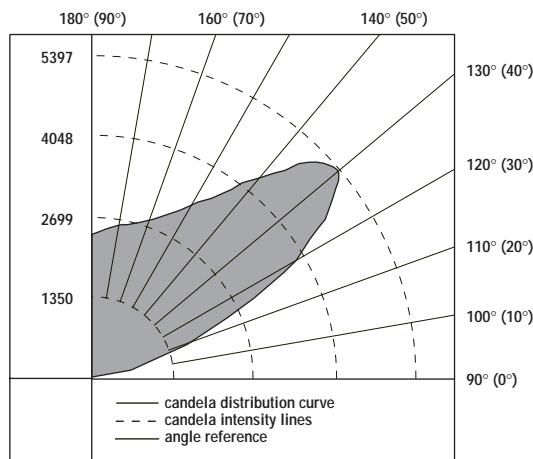
**WALL MOUNTED
STANDARD THROW
(Stippled Lens)**

ELB504HA
ESB504HA
SHB504HA



TEST NUMBER: ST02016

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	1867	18.1	21.6
90-130	3576	34.7	41.4
90-150	6691	65.0	77.5
90-180	8629	83.8	99.9
0-180	8638	83.9	100.0
TOTAL LUMINARE EFFICIENCY=83.9%			



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

5 Feet from wall

	8 ft.o.c.				10 ft.o.c.						
2 ft.	93	90	79	90	93	85	78	55	55	78	85
4 ft.	91	88	79	88	91	81	75	56	56	75	81
6 ft.	77	76	70	76	77	67	64	52	52	64	67
8 ft.	56	59	57	59	56	47	49	43	43	49	47
10 ft.	42	44	45	44	42	34	35	35	35	35	34
12 ft.	37	37	37	37	37	30	30	29	29	30	30
14 ft.	30	30	30	30	30	24	24	24	24	24	24
16 ft.	24	24	24	24	24	20	19	19	19	19	20
18 ft.	19	20	20	20	19	15	16	16	16	16	15

6 Feet from wall

	8 ft.o.c.				12 ft.o.c.							
2 ft.	77	74	72	74	77	66	58	51	37	51	58	66
4 ft.	77	75	72	75	77	63	57	53	39	53	57	63
6 ft.	65	68	65	68	65	54	49	41	36	41	49	54
8 ft.	50	53	54	53	50	41	39	31	30	31	39	41
10 ft.	39	41	42	41	39	30	31	25	25	25	31	30
12 ft.	37	37	37	37	37	26	25	25	24	25	25	26
14 ft.	31	31	31	31	31	21	21	20	20	20	21	21
16 ft.	25	26	26	26	25	18	18	16	16	16	18	18
18 ft.	20	21	22	21	20	15	15	13	13	13	15	15
20 ft.	17	17	18	17	17	12	13	11	11	11	13	12
22 ft.	16	16	16	16	16	11	11	11	11	11	11	11
24 ft.	15	15	14	15	15	10	10	9	10	9	10	10

51	5.6:1	2.9:1		41	6.0:1	2.9:1		39	5.4:1	2.7:1		27	6.7:1	2.7:1
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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)