

Sharpe 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

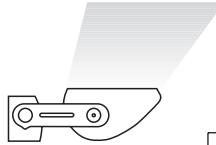
MULTIPLIER FOR OTHER LAMPS:

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

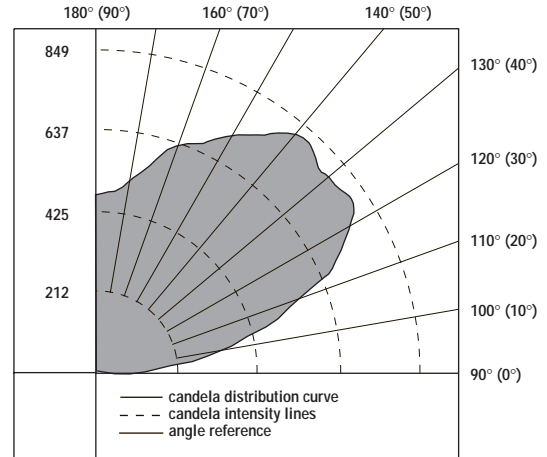
**WALL MOUNTED
FORWARD THROW
(Clear Lens)**

**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 LUMINARE 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**

	2.5 Feet from wall					3 Feet from wall					4 Feet from wall																		
	5 ft.o.c.					6 ft.o.c.					6 ft.o.c.					8 ft.o.c.													
2 ft.	48	50	50	50	50	48	37	36	35	35	35	36	37	30	29	29	29	29	30	24	22	21	19	19	19	21	22	24	
4 ft.	53	49	51	51	49	53	37	36	34	41	34	36	37	30	33	35	28	35	33	30	24	20	19	22	21	22	19	20	24
6 ft.	76	50	48	48	50	76	38	35	36	34	36	35	38	34	33	32	32	32	33	34	25	22	22	22	22	22	22	22	25
8 ft.	46	46	46	46	46	46	36	36	35	35	35	36	36	33	32	32	31	32	32	33	24	23	22	22	22	22	22	22	24
10 ft.	25	40	30	30	40	25	32	32	28	19	28	32	32	30	24	18	26	18	24	30	22	17	19	16	18	16	19	17	22
12 ft.	25	30	30	30	30	25	25	25	25	19	25	25	25	24	24	18	23	18	24	24	19	17	18	16	18	16	18	17	19
14 ft.	20	20	20	20	20	20	19	19	19	19	19	19	19	18	18	18	18	18	18	18	16	16	16	16	16	16	16	16	16
16 ft.	12	16	14	14	16	12	15	15	16	10	16	15	15	15	13	10	15	10	13	15	13	13	13	10	12	10	13	13	13
18 ft.	12	12	12	12	12	12	12	12	12	10	12	12	12	12	12	10	12	10	12	12	11	11	11	10	11	10	11	11	11

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)

Sharpe Size B - Metal Halide ED17 Lamp

LAMP:

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

REFLECTOR:

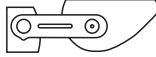
- Segmented Specular Aluminum
- Internal reflector is Adjustable
- Optical Housing is Adjustable

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)**

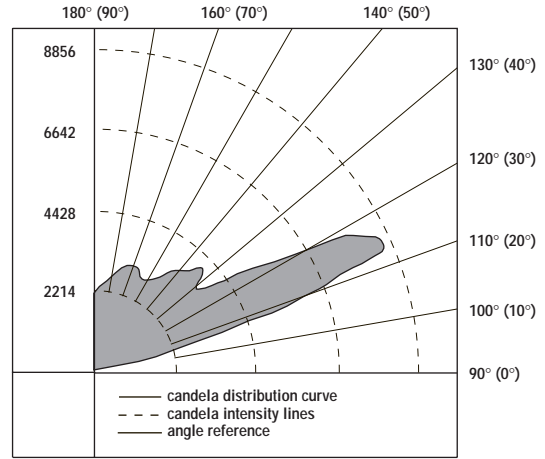
**ELB172MA
ESB172MA
SHB172MA**



TEST NUMBER: ITL52036

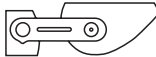
ZONAL LUMEN SUMMARY			
Zonal	Lumens	%Lamp	% Fixt.
0-30	0	0.0	0.0
0-40	0	0.0	0.0
0-60	0	0.0	0.0
0-90	0	0.0	0.0
90-120	4268	31.6	38.3
90-130	6106	45.2	54.8
90-150	9247	68.5	83.0
90-180	11138	82.5	100.0
0-180	11139	82.5	100.0

TOTAL LUMINARE EFFICIENCY= 82.5%



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

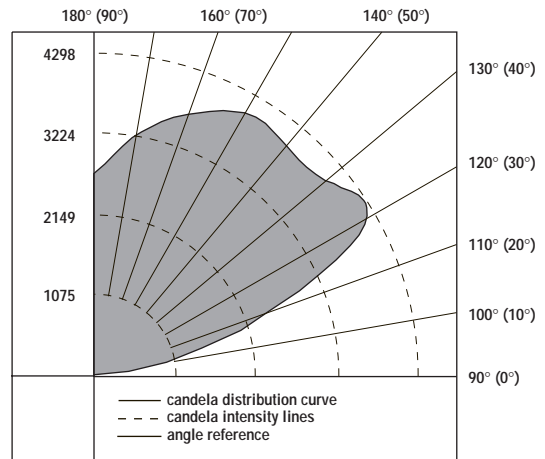
**ELB174MA
ESB174MA
SHB174MA**



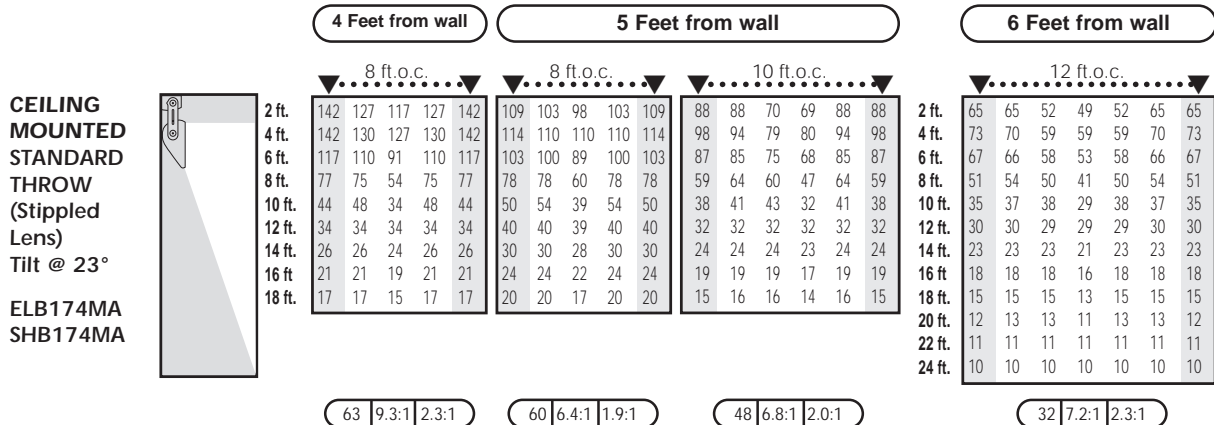
TEST NUMBER: ITL52159

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



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)

Sharpe Size B - Halogen T3 Lamp

LAMP:

500W Frosted T3 Halogen
Horizontal Position, 10,300

Lumens

REFLECTOR:

- Segmented Specular Aluminum
- Internal reflector is not

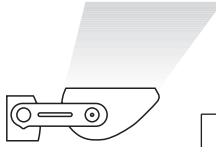
Adjustable

- Optical Housing is Adjustable

MULTIPLIER FOR OTHER LAMPS:

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

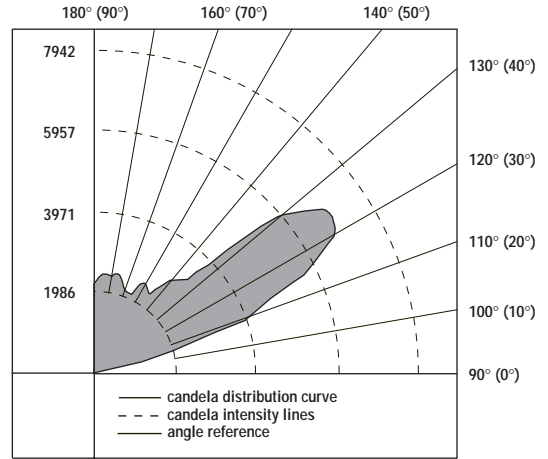
**WALL MOUNTED
FORWARD THROW
(Clear Lens)**



**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%			



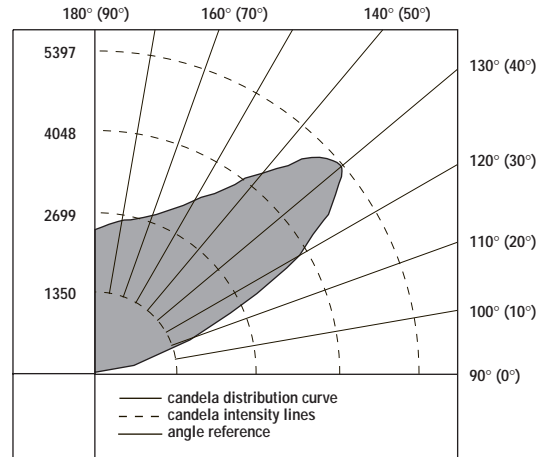
**WALL MOUNTED
STANDARD THROW
(Stippled Lens)**



**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.

2 ft.	93	90	79	90	93
4 ft.	91	88	79	88	91
6 ft.	77	76	70	76	77
8 ft.	56	59	57	59	56
10 ft.	42	44	45	44	42
12 ft.	37	37	37	37	37
14 ft.	30	30	30	30	30
16 ft.	24	24	24	24	24
18 ft.	19	20	20	20	19

10 ft.o.c.

2 ft.	85	78	55	55	78	85
4 ft.	81	75	56	56	75	81
6 ft.	67	64	52	52	64	67
8 ft.	47	49	43	43	49	47
10 ft.	34	35	35	35	35	34
12 ft.	30	30	29	29	30	30
14 ft.	24	24	24	24	24	24
16 ft.	20	19	19	19	19	20
18 ft.	15	16	16	16	16	15

6 Feet from wall

8 ft.o.c.

2 ft.	77	74	72	74	77
4 ft.	77	75	72	75	77
6 ft.	65	68	65	68	65
8 ft.	50	53	54	53	50
10 ft.	39	41	42	41	39
12 ft.	37	37	37	37	37
14 ft.	31	31	31	31	31
16 ft.	25	26	26	26	25
18 ft.	20	21	22	21	20
20 ft.	17	17	18	17	17
22 ft.	16	16	16	16	16
24 ft.	15	15	14	15	15

12 ft.o.c.

2 ft.	66	58	51	37	51	58	66
4 ft.	63	57	53	39	53	57	63
6 ft.	54	49	41	36	41	49	54
8 ft.	41	39	31	30	31	39	41
10 ft.	30	31	25	25	25	31	30
12 ft.	26	25	25	24	25	25	26
14 ft.	21	21	20	20	20	21	21
16 ft.	18	18	16	16	16	18	18
18 ft.	15	15	13	13	13	15	15
20 ft.	12	13	11	11	11	13	12
22 ft.	11	11	11	11	11	11	11
24 ft.	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

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)

ExcelLine
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