

## DESCRIPTION

Series 78 is part of a quick-ship family of perimeter wall lighting systems that work in harmony with well designed elements. The lighting is continuous and unbroken, runs and patterns are field adjusted. There are no visible joints, mullions, or hardware. The wall angle is extruded aluminum, floating away from the wall. Note: Fixtures shall be installed before ceiling.

Catalog #		Type
Project		
Comments		Date
Prepared by		

## SPECIFICATION FEATURES

### A ... Construction

20-gauge steel housing sections in 3', 4', 6' and 8' lengths.

### B ... Shielding

Parabolic or bold baffle.

### C ... Electrical

120, 277, 347, or Universal Voltage electronic ballast. Fixtures and electrical components certified to UL and CUL standards. Note: Please consult factory, Fifthlight may not be available in some configured options.

### D ... Finish

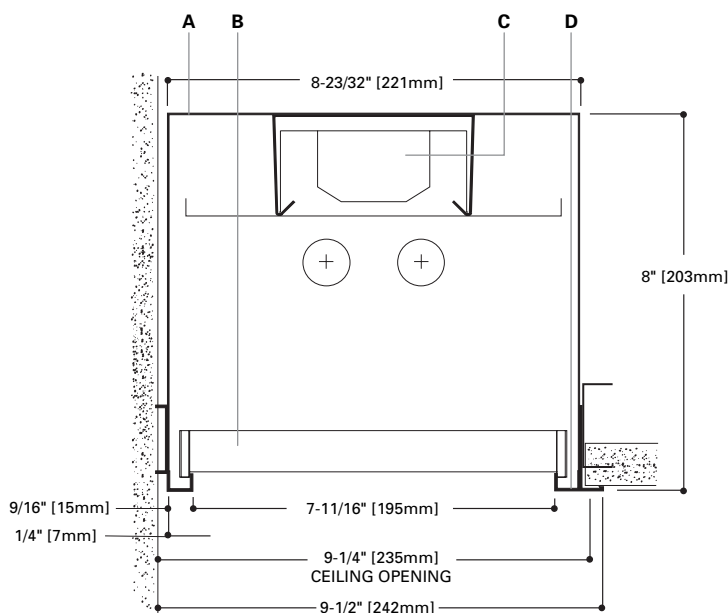
Durable, low gloss, white, powder coated acrylic finish.

### Staggered Lamps

T8=3", T5=6".

### Mounting

Recessed.



# 78

1 & 2T8

1 & 2T5

1 & 2T5HO

**Perimeter  
Wall Wash**

### Light Distribution:

Indirect - 0.0%

Direct - 100.0%



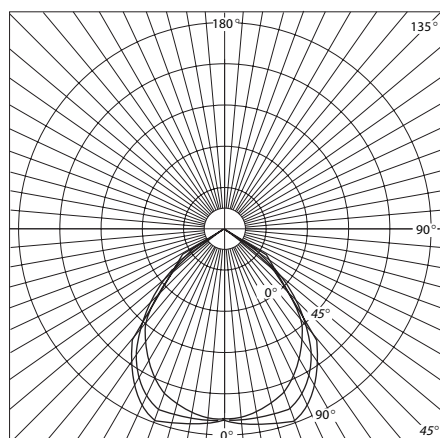
## ORDERING INFORMATION

Sample Number: 78-1T8-36-R-2EB-SI-S72

Series	Number of Lamps (Not included)	Run Length Overall Nominal Run Length ____ ft.	Voltage <sup>1</sup>	Wiring	Fusing	Shielding
78: Perimeter	1: 1 Lamp 2: 2 Lamps	Individual or Run D: Individual R: Continuous Run	1: 120V 2: 277V 3: 347V U: Universal	C: Standard Circuit D: Dimming	GLR GMF	S10: Parabolic Baffle S11: Bold Baffle S72: White Bold Baffle S79: Semi-Specular Aluminum Parabolic Baffle
	Lamp Type T8 T5 T5HO		Ballast EB: Electronic Ballast (Standard) DB: Dimming Ballast			

Notes: 1 Not all options available. Please consult your Cooper Lighting Representative for availability.

## PHOTOMETRICS



**78-2T12**  
 (2) F40T12RS/WW  
 3200 Lumens  
 Efficiency 53.4%  
 Test Report  
 #4475.1

## Coefficients of Utilization

Effective floor cavity reflectance								20%		
rc	80%				50%			30%		
rw	70	50	30	10	50	30	10	50	30	10
RCR										
1	60	58	56	55	55	53	52	53	52	51
2	56	53	50	48	50	48	46	48	47	45
3	52	48	45	42	46	43	41	44	42	40
4	49	44	40	37	42	39	36	41	38	36
5	45	39	35	33	38	35	32	37	34	32
6	42	36	32	29	35	31	29	34	31	28
7	39	33	28	26	31	28	25	31	28	25
8	36	29	25	23	28	25	22	28	25	22
9	33	26	22	20	26	22	20	25	22	19
10	31	24	20	18	23	20	17	23	20	17

## Zonal Lumen Summary

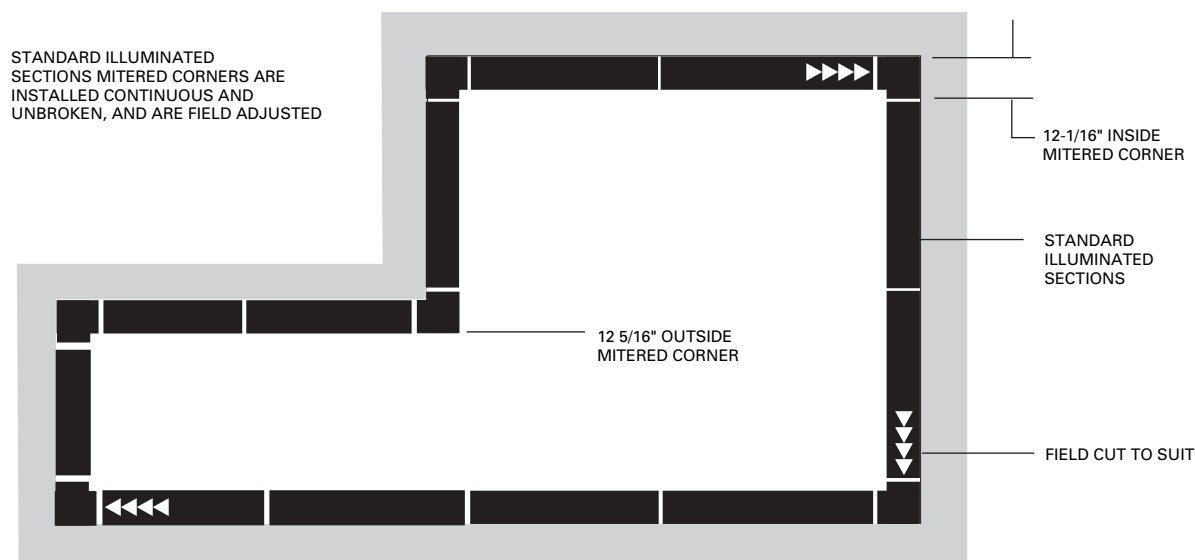
Zone	Lumens	%Lamp	%Fixture
0-30	2660	15.4	38.9
0-40	4304	33.6	63.0
0-60	6471	50.6	94.8
0-90	6829	53.4	100.0
90-180	0	0.0	0.0
0-180	6829	53.4	100.0

Total Luminaire Efficiency = 53.4%

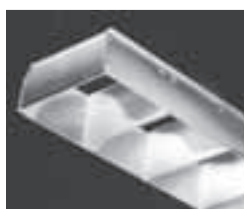
## Candela

Angle	Along $\parallel$	45°	Across $\perp$
0	3226	3226	3226
5	3227	3250	3275
10	3154	3254	3345
15	3079	3283	3423
20	2987	3275	3467
25	2782	3133	3272
30	2598	2949	2982
35	2350	2643	2780
40	2095	2319	2438
45	1687	1867	1714
50	1276	1423	1203
55	675	882	966
60	308	479	797
65	117	224	515
70	54	88	167
75	30	52	73
80	15	41	56
85	13	36	43
90	0	0	0

## RUNS AND PATTERNS



## SHIELDING INFORMATION



**S10 Parabolic Baffle**  
 2-1/2" high x 4" on center,  
 semi-specular aluminum.



**S11 Bold Baffle**  
 2" high x 2.4" on center,  
 3/16" thick aluminum  
 baffle. Continuous and  
 unbroken, no visible joints.



**S72 Bold Baffle**  
 1" high x 1.2" o.c., 3/16"  
 thick aluminum baffle,  
 continuous and unbroken,  
 no visible joints.



**S79 Parabolic Baffle**  
 1-1/4" high blades. 2.4"  
 o.c., semi-specular  
 lo-brightness Pearlescent  
 Aluminum baffle.  
 Continuous and unbroken,  
 no visible joints.



**90° Mitered Baffle**  
 1-1/4" high x 2.4" on  
 center. S79 Parabolic  
 Baffle is shown. Also  
 typical for S72 Bold Baffle.