



## LED Flat Panels

### CCT SELECTABLE



### Three Color Temperatures, One Low-Profile Panel

Topaz's successful line of flat panel luminaires now includes CCT selectable models for even more versatile applications. These luminaires are lighter weight and offer improved light distribution while maintaining the highest reliability and performance. Featuring a low-profile design, these panels are rated for insulated and non-insulated ceiling applications and are ideal for both new and remodel projects. Precision optics provide uniform light distribution and glare-free conditions for offices, healthcare facilities, and other commercial applications. With a 50,000 hour functional life, these fixtures are a low maintenance way to save labor and utility costs.

### FEATURES

- 3 CCT Selectable switch: 3500K, 4000K and 5000K
- Low profile design, lightweight construction and easy to install
- Precision optics for even and smooth light distribution
- White frame, steel housing, PMMA optical lens
- T-grid drop ceiling, suspension, and surface mount
- For use in insulated ceilings and non-insulated ceilings
- Emergency battery backup models available
- Up to 25% lighter than traditional fixtures
- High efficacy, up to 130 LPW

### SUGGESTED APPLICATIONS

- New construction or remodeling of commercial facilities
- Offices, healthcare facilities, institutions and commercial applications





Job Name/Title: \_\_\_\_\_ Catalog Number \_\_\_\_\_  
Contractor: \_\_\_\_\_ Notes: \_\_\_\_\_

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### GENERAL SPECIFICATIONS

**Input Voltage, Frequency:** 120-277V, 50/60Hz

**Power Factor, THD %:** 0.9, <20%

**Dimmable:** Dimming range 100% to 10% with 0-10V dimmer<sup>1</sup>

**Surge Protection Rating:** L-N: 1kV; L-G: 2kV

**Emergency Backup Compatible:** Yes, 8W, 1,000LM, >90min  
**CRI:** 80

**Functional Life (L70):** 50,000 hours

**Location Rating:** Damp

**Ambient Operating Temperature:** -10°F to 110°F

**IC Rated**

**Mounting Options:** T-grid drop ceiling, suspension, and surface mount

### ITEM SPECIFICATIONS / ORDER INFO

Catalog Number	Order Code	UPC	Lumens	Wattage	Input Current @120/277V	CCT	Beam Angle	DLC ID
F-L14/30/CTS/D/BL-86	74325	751338035126	3,300	30W	0.25/0.12A	3500K   4000K   5000K	120°	PLRS0B67K7P7 <sup>2</sup>
F-L22/35/CTS/D/BL-86	74326	751338035133	4,550	35W	0.31/0.14A	3500K   4000K   5000K	120°	PLOBVZ7AR8C8
F-L24/45/CTS/D/BL-86	74327	751338035140	5,850	45W	0.37/0.18A	3500K   4000K   5000K	120°	PL8GUWX926SJ
<b>Emergency Battery Backup</b>								
F-L22/40/CTS/EM/BL	70883	751338037939	4,800	40W	0.367/0.159A	3500K   4000K   5000K	120°	PLOGBILSM7TF
F-L24/50/CTS/EM/BL	70884	751338037946	6,000	50W	0.458/0.199A	3500K   4000K   5000K	120°	PL2STPGC1CSZ

### NOMENCLATURE

**Example:** F-L22/35/CTS/D/BL-86

**F-L** = Fixture LED / **22** = 2' x 2' Panel Size / **30** = 30 Watts / **CTS** = 3500K | 4000K | 5000K / **D** = Dimmable / **BL** = Backlit  
**24** = 2' x 4' Panel Size / **35** = 35 Watts / **EM** = Emergency Battery Backup  
**45** = 45 Watts

### ACCESSORIES (SOLD SEPARATELY)

Catalog Number	Order Code	UPC	Description
F-L14/FRAME-87	70279	751338035454	1' x 4' Surface Mount Frame Kit
F-L22/FRAME-87	70280	751338035461	2' x 2' Surface Mount Frame Kit
F-L24/FRAME-87	70281	751338035478	2' x 4' Surface Mount Frame Kit
F-L14/FLANGE-87	70276	751338035416	1' x 4' Sheetrock Flange Kit
F-L22/FLANGE-87	70277	751338035423	2' x 2' Sheetrock Flange Kit
F-L24/FLANGE-87	70278	751338035447	2' x 4' Sheetrock Flange Kit
F-L22/CABLE/BL-87	70282	751338036017	2' x 2' Suspended Mount Cable Kit
F-L24/CABLE/BL-87	70283	751338036031	1' x 4', 2' x 4' Suspended Mount Cable Kit
BEL5/120-277V-92*	70585	751338020177	LED Emergency Driver

### ENERGY SAVINGS

Catalog Number	LED Wattage	Fluorescent Replacement Wattage	Watts Saved	Yearly Savings	5 Year Savings
<b>Based on 12 hours/day and \$0.11/kWh</b>					
F-L14/30/CTS/D/BL-86	30W	2x 32W T8	30W	\$14	\$72
F-L22/35/CTS/D/BL-86	35W	3x 32W T8	55W	\$26	\$132
F-L24/45/CTS/D/BL-86	45W	3x 32W T8	45W	\$22	\$108
F-L22/40/CTS/EM/BL	40W	3x 32W T8	50W	\$24	\$120
F-L24/50/CTS/EM/BL	50W	3x 32W T8	40W	\$19	\$96

#### NOTES:

\*LED Emergency Driver compatible only with: F-L14/30/CTS/D/BL-86, F-L22/35/CTS/D/BL-86 and F-L24/45/CTS/D/BL-86.

<sup>1</sup>Dimming with standard 0-10V control system or wall dimmers such as Leviton IP710, DS710 or Lutron DVSTV. Dimming complies with IEC60929 Annex E. Fixture may not be compatible with all dimmers. Visit [www.topaz-usa.com](http://www.topaz-usa.com) for up-to-date dimmer compatibility information.

<sup>2</sup>1' x 4' Panel is DLC standard listed. All other models are DLC Premium Listed.

Specifications subject to change without prior notice. Replacement wattage shown depends on application and fixture.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

**WARNING:** Some products included in this specification sheet may be subject to the warning requirements of California's Proposition 65. Please refer to your product packaging for more information.

Revised October 2021



Job Name/Title: \_\_\_\_\_ Catalog Number \_\_\_\_\_

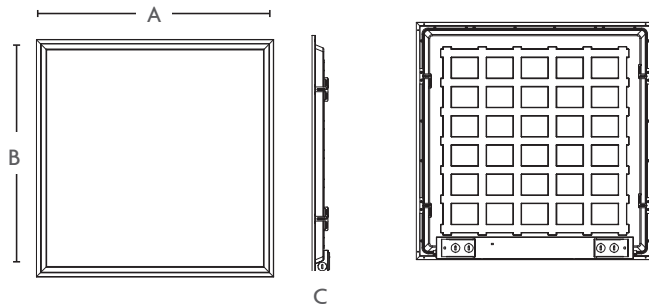
Contractor: \_\_\_\_\_ Notes: \_\_\_\_\_

## LED Flat Panels CCT SELECTABLE

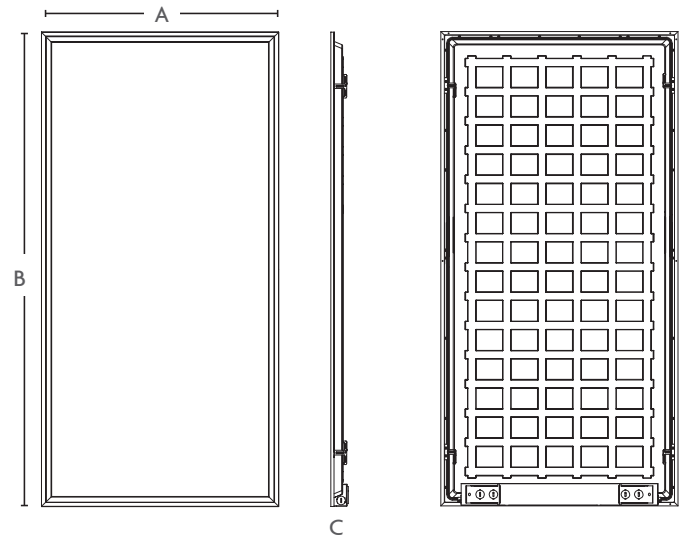
### PRODUCT DIMENSIONS / LINE DRAWINGS

Catalog Number	(A)	(B)	(C)	Weight
F-L14/30/CTS/D/BL-86	11.9"	47.8"	1.6"	5 Lbs.
F-L22/35/CTS/D/BL-86	23.7"	23.7"	1.5"	4.9 Lbs.
F-L24/45/CTS/D/BL-86	23.7"	47.7"	1.5"	8.6 Lbs.
F-L22/40/CTS/EM/BL	23.7"	23.7"	3.04"	8.2 Lbs.
F-L24/50/CTS/EM/BL	23.7"	47.7"	3.04"	13 Lbs.

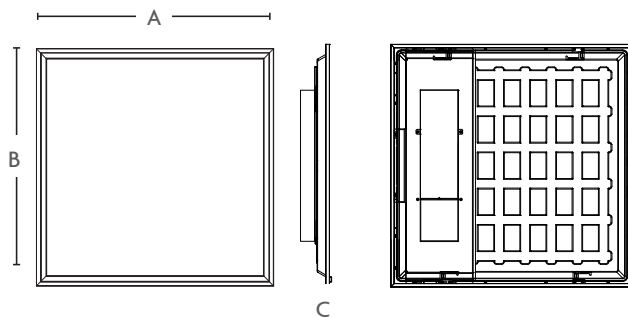
**2' X 2'**



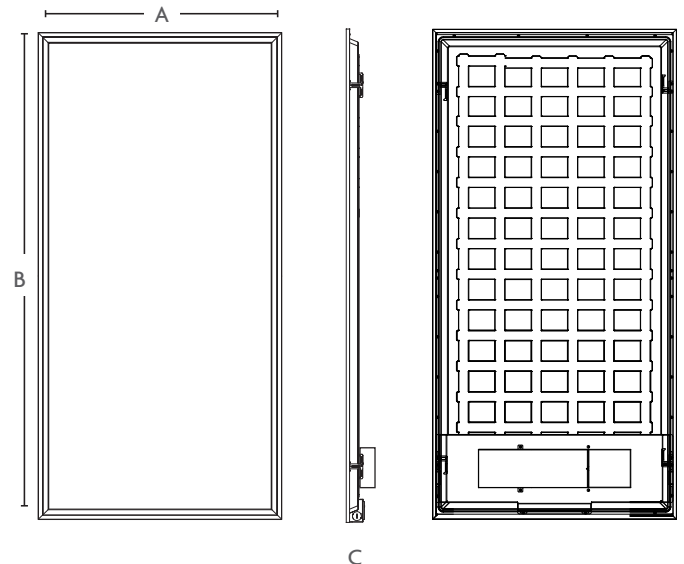
**2' X 4'**



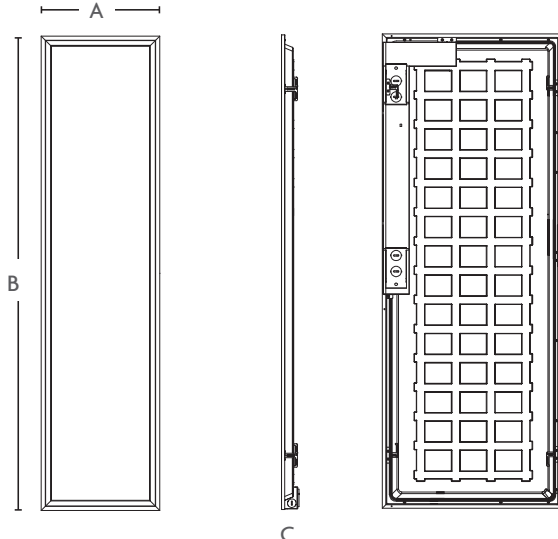
**2' X 2' Emergency Backup**



**2' X 4' Emergency Backup**



**1' X 4'**



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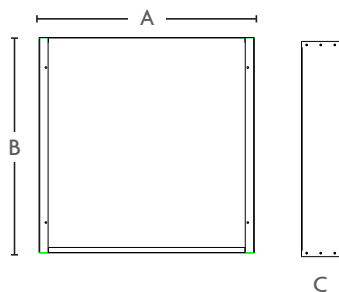
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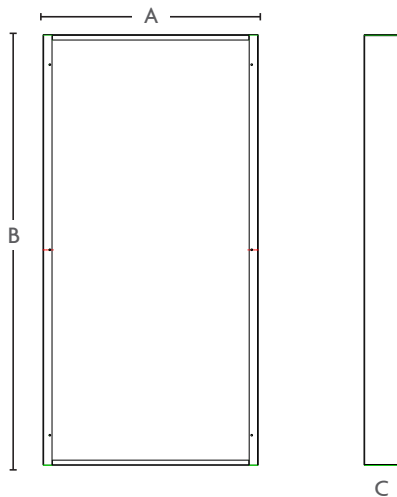
### PRODUCT DIMENSIONS / LINE DRAWINGS

Catalog Number	Length (A)	Width (B)	Depth (C)	Weight
<b>Accessories</b>				
F-L14/FRAME-87	12.1"	48.0"	4.3"	6.4 Lbs.
F-L22/FRAME-87	24.0"	24.0"	4.3"	6.6 Lbs.
F-L24/FRAME-87	24.0"	48.0"	4.3"	7.6 Lbs.
F-L14/FLANGE-87	14.1"	48.0"	2.0"	7.7 Lbs.
F-L22/FLANGE-87	24.0"	24.0"	1.8"	5.8 Lbs.
F-L24/FLANGE-87	26.0"	48.0"	2.9"	8.5 Lbs.

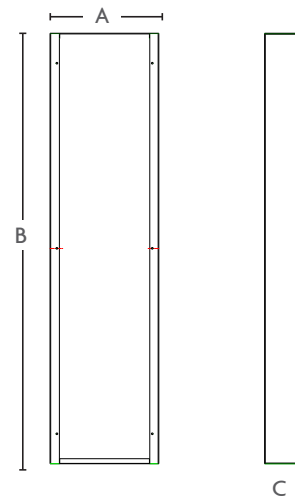
**2' x 2' Frame Kit**



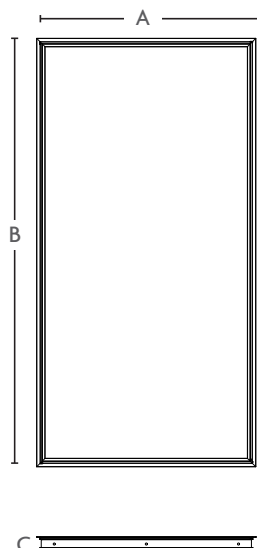
**2' x 4' Frame Kit**



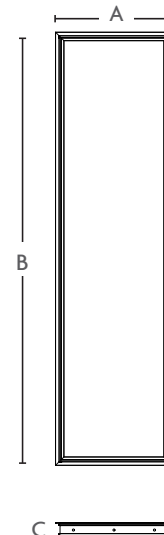
**1' x 4' Frame Kit**



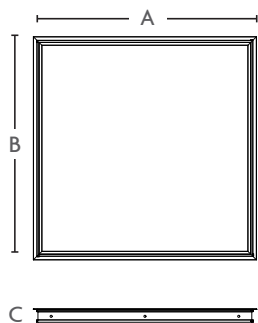
**2' x 4' Sheetrock Flange Kit**



**1' x 4' Sheetrock Flange Kit**



**2' x 2' Sheetrock Flange Kit**



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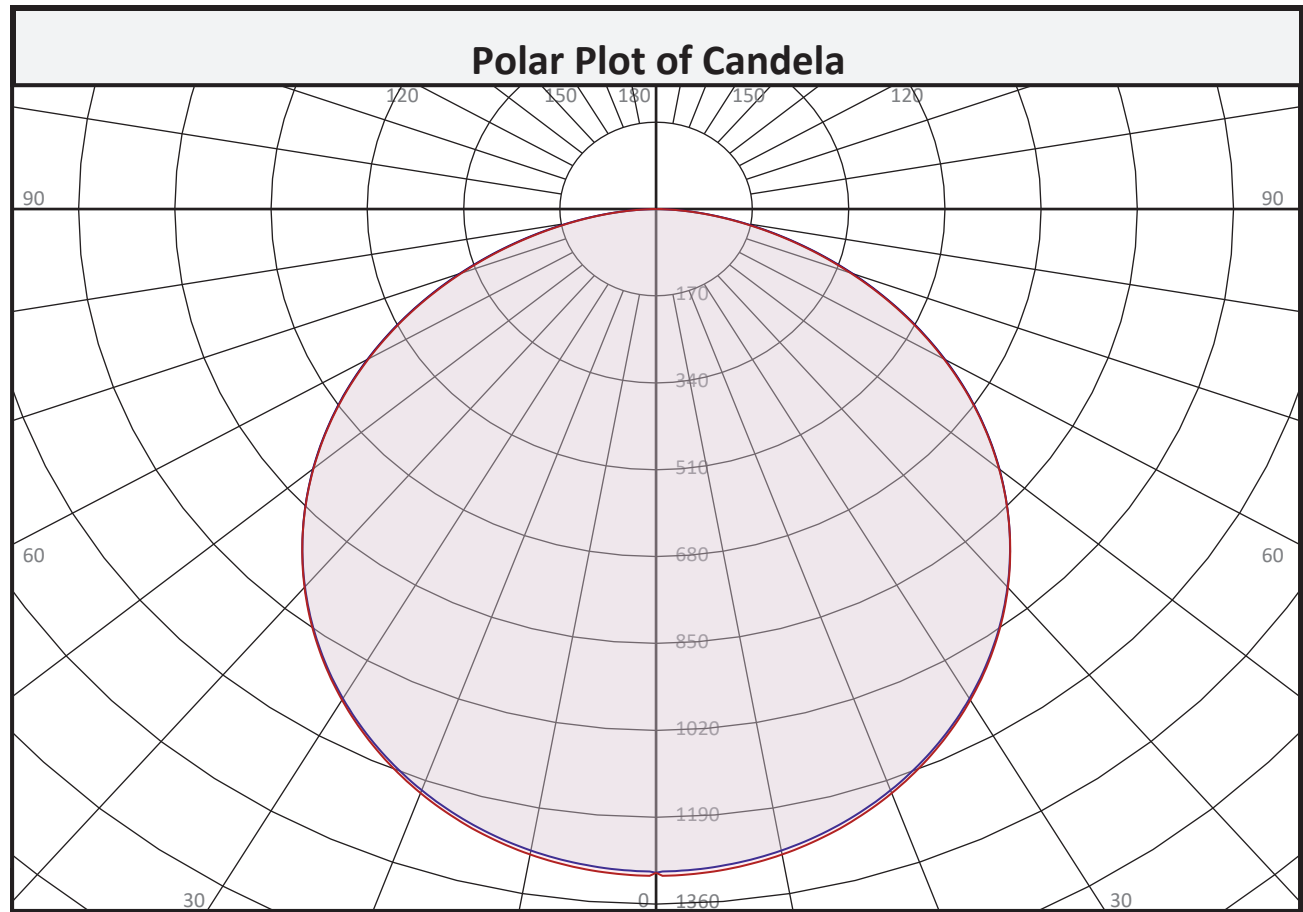


Job Name/Title: \_\_\_\_\_ Catalog Number \_\_\_\_\_  
 Contractor: \_\_\_\_\_ Notes: \_\_\_\_\_

**PHOTOMETRICS**

**1' X 4'**

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Circle of Light Plot			
Height(ft)	Illuminance at Nadir (fc)	Ground-level distance to half-of-nadir illuminance (ft)	
		0-180 deg	90-270 deg
6.0	36.1	7.60	7.61
8.0	20.3	10.13	10.15
10.0	13.0	12.66	12.69
12.0	9.0	15.19	15.23
14.0	6.6	17.73	17.76
16.0	5.1	20.26	20.30

Average Luminance (cd/m <sup>2</sup> )			
	0 deg Plane	45 deg Plane	90 deg Plane
0	4671	4671	4671
45	4486	4481	4486
55	4347	4338	4338
65	4085	4072	4062
75	3591	3570	3539
85	2714	2682	2629

Spacing Criterion	
0 degree plane:	1.3
90 degree plane:	1.3
180 degree plane:	1.3
270 degree plane:	1.3

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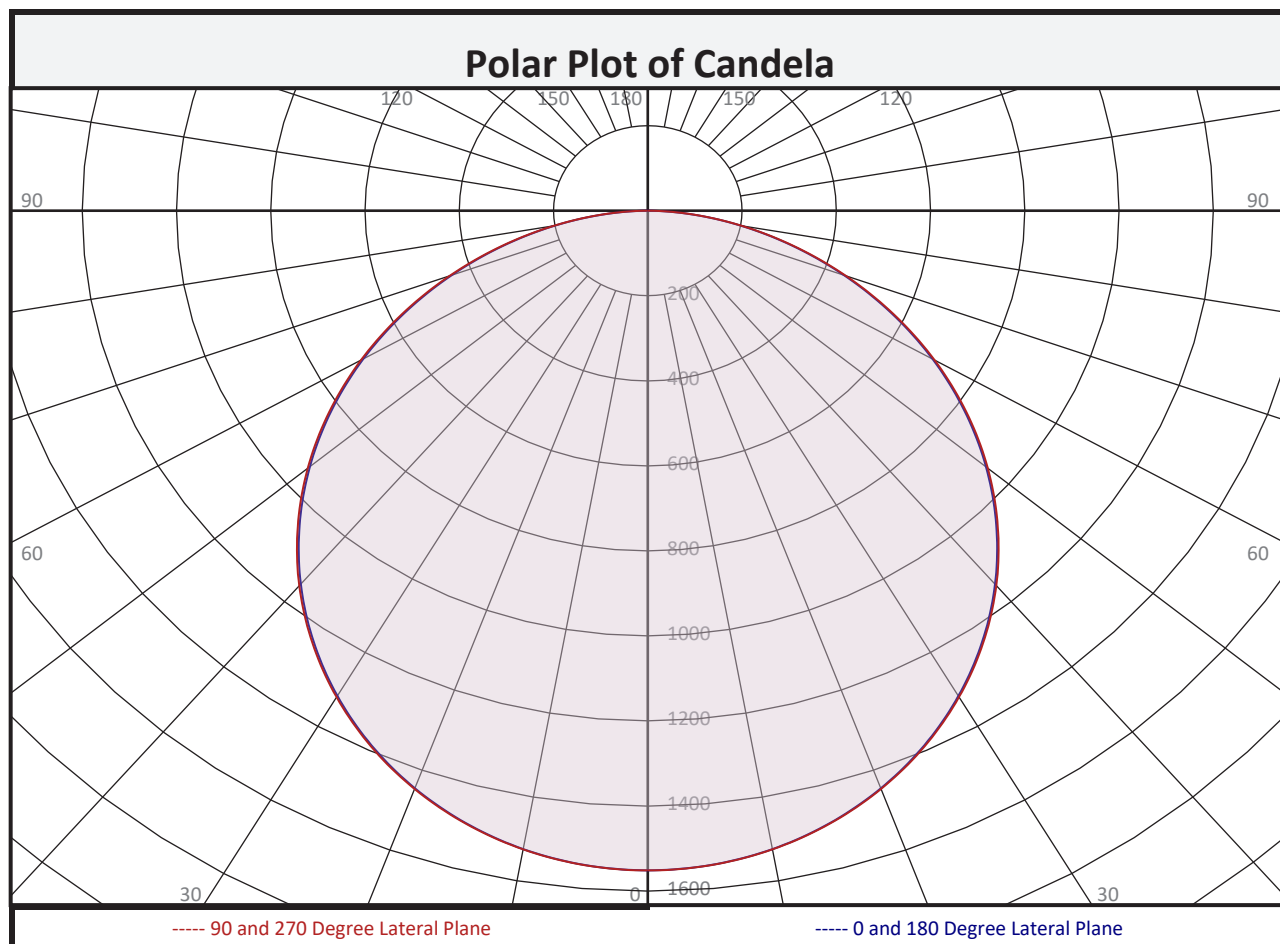


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 Contractor: \_\_\_\_\_ Notes: \_\_\_\_\_

## PHOTOMETRICS

**2' X 2'**

**LED Flat Panels**  
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Circle of Light Plot			
Height(ft)	Illuminance at Nadir (fc)	Ground-level distance to half-of-nadir illuminance (ft)	
		0-180 deg	90-270 deg
6.0	43.1	7.57	7.59
8.0	24.2	10.10	10.12
10.0	15.5	12.62	12.65
12.0	10.8	15.15	15.18
14.0	7.9	17.67	17.72
16.0	6.1	20.20	20.25

Average Luminance (cd/m <sup>2</sup> )			
	0 deg Plane	45 deg Plane	90 deg Plane
0	5084	5084	5084
45	4845	4858	4868
55	4684	4699	4716
65	4422	4441	4463
75	4009	4027	4057
85	3233	3311	3377

Spacing Criterion	
0 degree plane:	1.3
90 degree plane:	1.3
180 degree plane:	1.3
270 degree plane:	1.3

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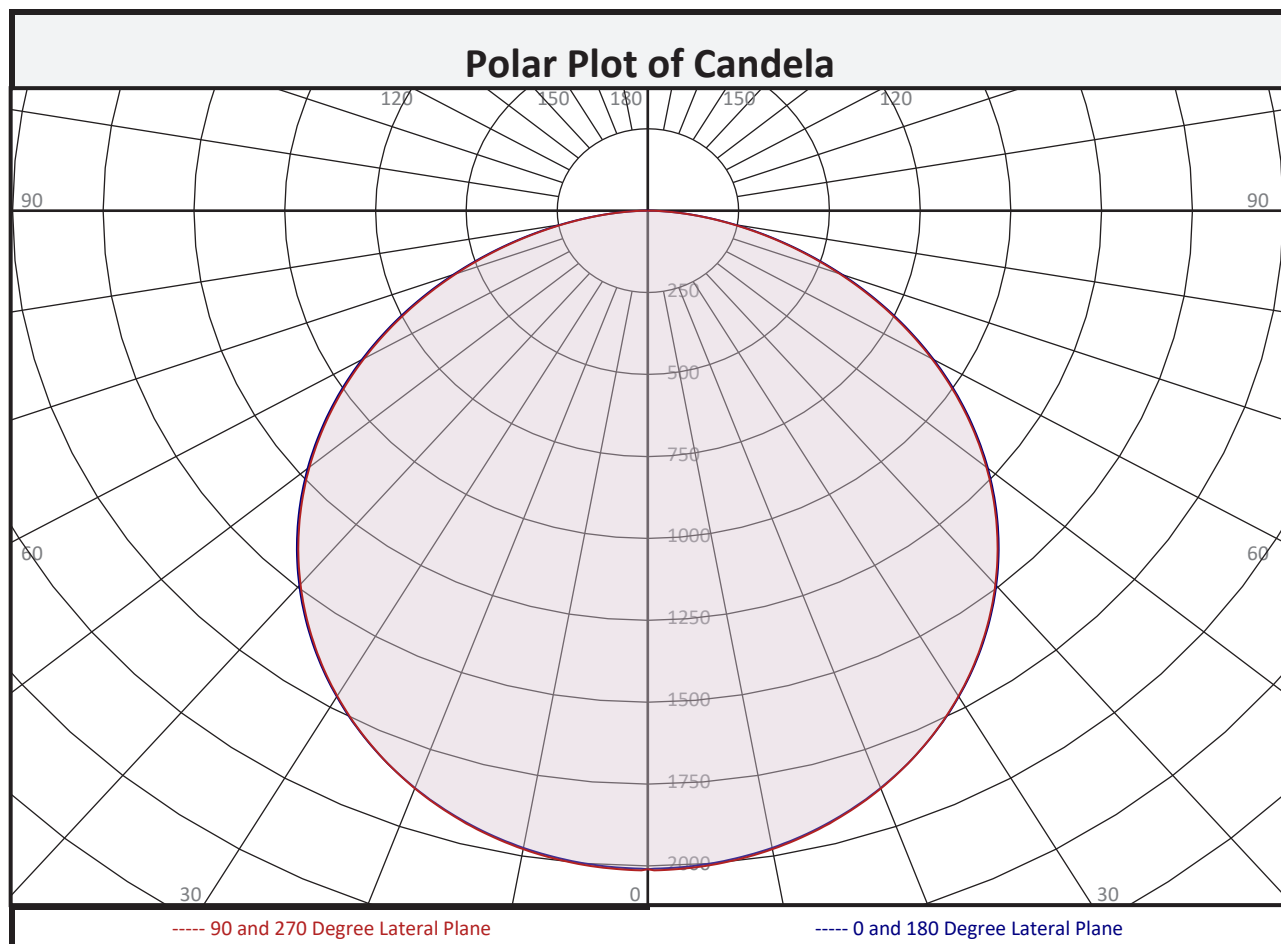


Job Name/Title: \_\_\_\_\_ Catalog Number \_\_\_\_\_  
 Contractor: \_\_\_\_\_ Notes: \_\_\_\_\_

**PHOTOMETRICS**

**2' X 4'**

**LED Flat Panels**  
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Circle of Light Plot			
Height(ft)	Illuminance at Nadir (fc)	Ground-level distance to half-of-nadir illuminance (ft)	
		0-180 deg	90-270 deg
6.0	55.8	7.60	7.59
8.0	31.4	10.13	10.12
10.0	20.1	12.67	12.65
12.0	14.0	15.20	15.18
14.0	10.3	17.73	17.71
16.0	7.9	20.26	20.24

Average Luminance (cd/m <sup>2</sup> )			
	0 deg Plane	45 deg Plane	90 deg Plane
0	3212	3212	3212
45	3083	3076	3071
55	2983	2973	2966
65	2802	2787	2774
75	2464	2443	2422
85	1863	1848	1826

Spacing Criterion	
0 degree plane:	1.3
90 degree plane:	1.3
180 degree plane:	1.3
270 degree plane:	1.3

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