

## CFS 70/100/150 WATT LOW BAY Available in lamp color temperatures 5000K.

Part Number:

70 Watt: CFS-KHL/70  
100 Watt: CFS-KHL/100  
150 Watt: CFS-KHL/150

**FEATURES:** Prismatic acrylic reflector with ultraviolet inhibitors to minimize discoloration.

**HOUSING:** Heavy duty die cast aluminum back box.

**ELECTRICAL:** 70/100/150 watt, 120 through 277 VAC.

**APPLICATIONS:** Commercial and retail use; warehouses, factories, supermarkets, parking garages. Where low to medium mounting heights are available.

**MOUNTING:** Ceiling mounting with 1/2 inch threaded knock outs.



### Induction Lighting Features

#### No electrodes or filaments

- \*100,000 hrs rated average life.
- \*Low lumen depreciation of <30% @ 60,000 hours.
- \*Low operating temperature of components.

#### High-frequency operation

- \*High system efficacy(65-70lm/W)
- \*No flickering
- \*No stroboscopic effect
- \*No noise

#### Electronic control

- \*Output-protected HF generator

#### Instant (re-)start

- \*Light available instantly when needed
- \*Short ignition time <0.5sec

#### 3-line fluorescent coating

- \*Choice of color temperature
- \*White light
- \*Excellent color rendition (CRI 85)
- \*No color deviation

### Induction Lighting Benefits

- \*High reliability and virtually maintenance-free operation.
- \*Lasting light output right through life time.
- \*Increased safety, more standard luminaire construction.
- \*Economic, environment-friendly lighting in situations with long burning hours.
- \*Restful non-fatiguing light.
- \*No danger with rotating machinery.
- \*Non-disturbing in operations.
- \*Automatic switch-off in case of lamp or power coupler failure.
- \*Generator resets 15-30 seconds after switch off.
- \*Suitable for security and safety lighting.
- \*More comfort.
- \*Useful light immediately after switch-on.
- \*Installation can be matched to lighting situations and requirements.
- \*Uniform predictable lighting results throughout larger installations; color maintained through life.

### **INDUCTION LIGHTING**

Induction lighting makes use of a technology which is fundamentally different from that of incandescent lamps or today's conventional gas discharge lamps. Instead of the glowing filaments of incandescent lamps, or the electrodes used in conventional gas discharge lamps, light generation is by means of induction— the transmission of energy via a magnetic field— combined with a gas discharge. Combining the basic principles of induction and gas discharge, this revolutionary concept in light generation offers benefits never before possible.

All CFS Inc. products come with a 5 year warranty.

CFS INC.

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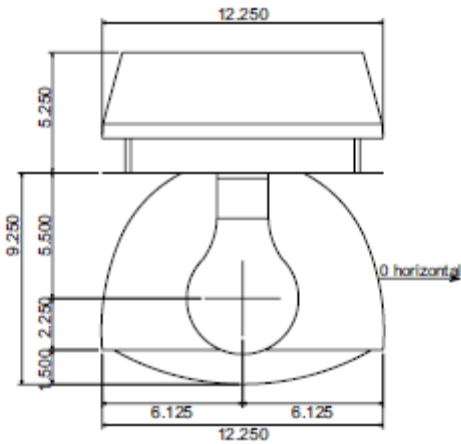
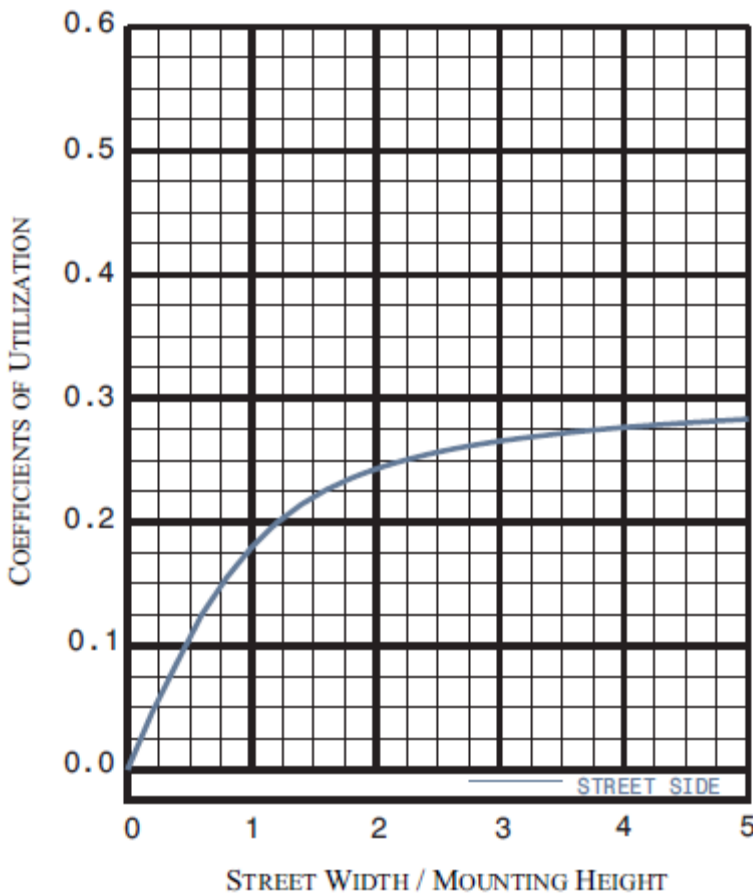
# PHOTO METRICS FOR 100 WATT LOW BAY

Surface Mounted  
 Indoor Applications  
 Specify source color temperature 5000K

**LUMINAIRE:**  
 CAST ALUMINUM HOUSING, FORMED WHITE  
 ALUMINUM UPPER REFLECTOR, CLEAR LINEAR  
 PRISMATIC PLASTIC REFLECTOR/REFRACTOR, CLEAR PLASTIC LOWER  
 ENCLOSURE.

**LAMP:**  
 ONE VBU 100 WATT INDUCTION LAMP RATED AT 7,500 LUMENS.

**GENERATOR:**  
 HIGH FREQUENCY 120~277VAC, 0.7817A, 93.33 WATT.



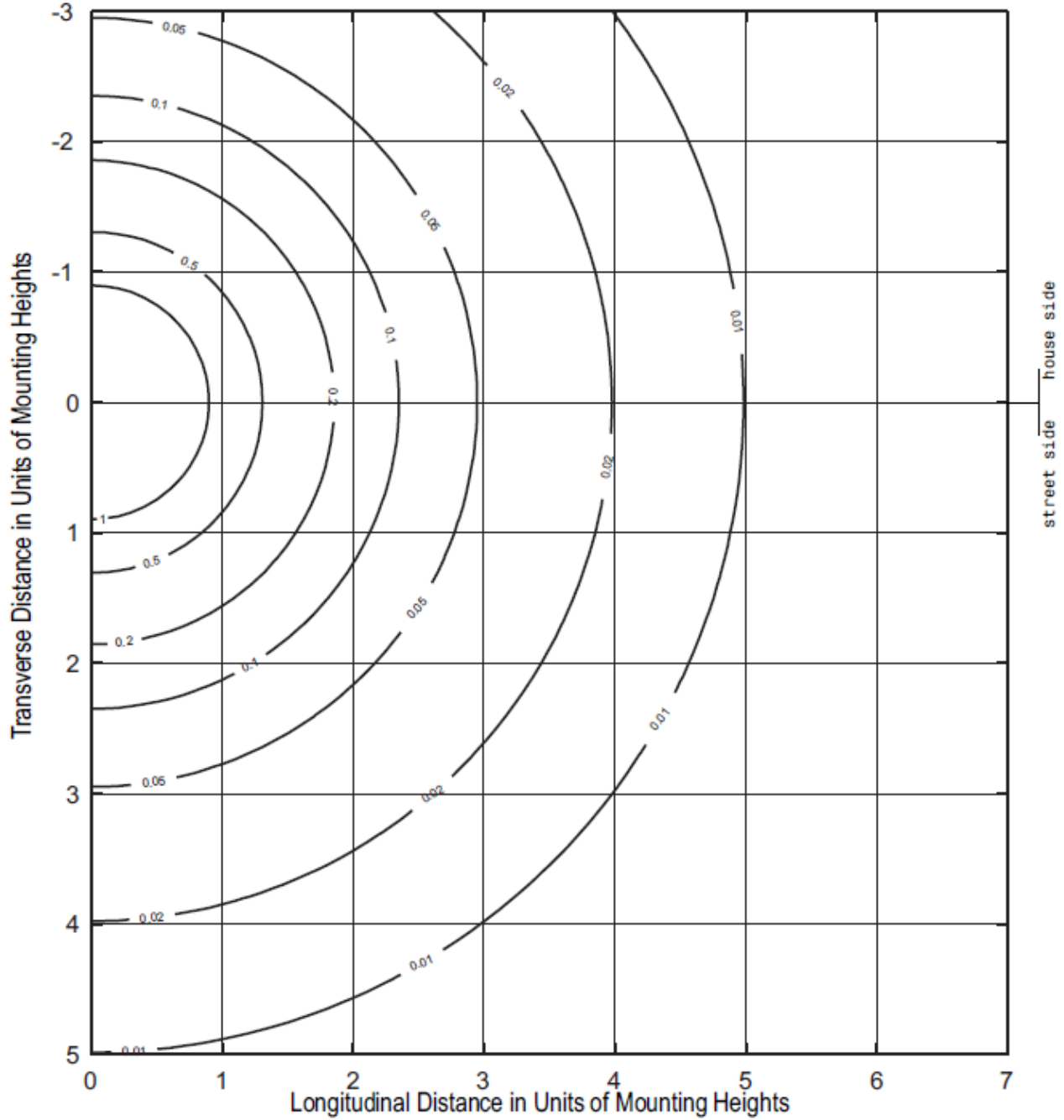
IES CLASSIFICATION: **TYPE V**  
 CUTOFF CLASSIFICATION: **NON-CUTOFF**

**FLUX DISTRIBUTION**

LUMENS	DOWNWARD	UPWARD	TOTALS
HOUSE SIDE	2311.62 (30.8%)	839.36 (11.2%)	3150.98 (42.0%)
STREET SIDE	2311.62 (30.8%)	839.36 (11.2%)	3150.98 (42.0%)
<b>TOTALS</b>	<b>4623.23 (61.6%)</b>	<b>1678.73 (22.4%)</b>	<b>6301.96 (84.0%)</b>

# PHOTO METRICS FOR 100 WATT LOW BAY

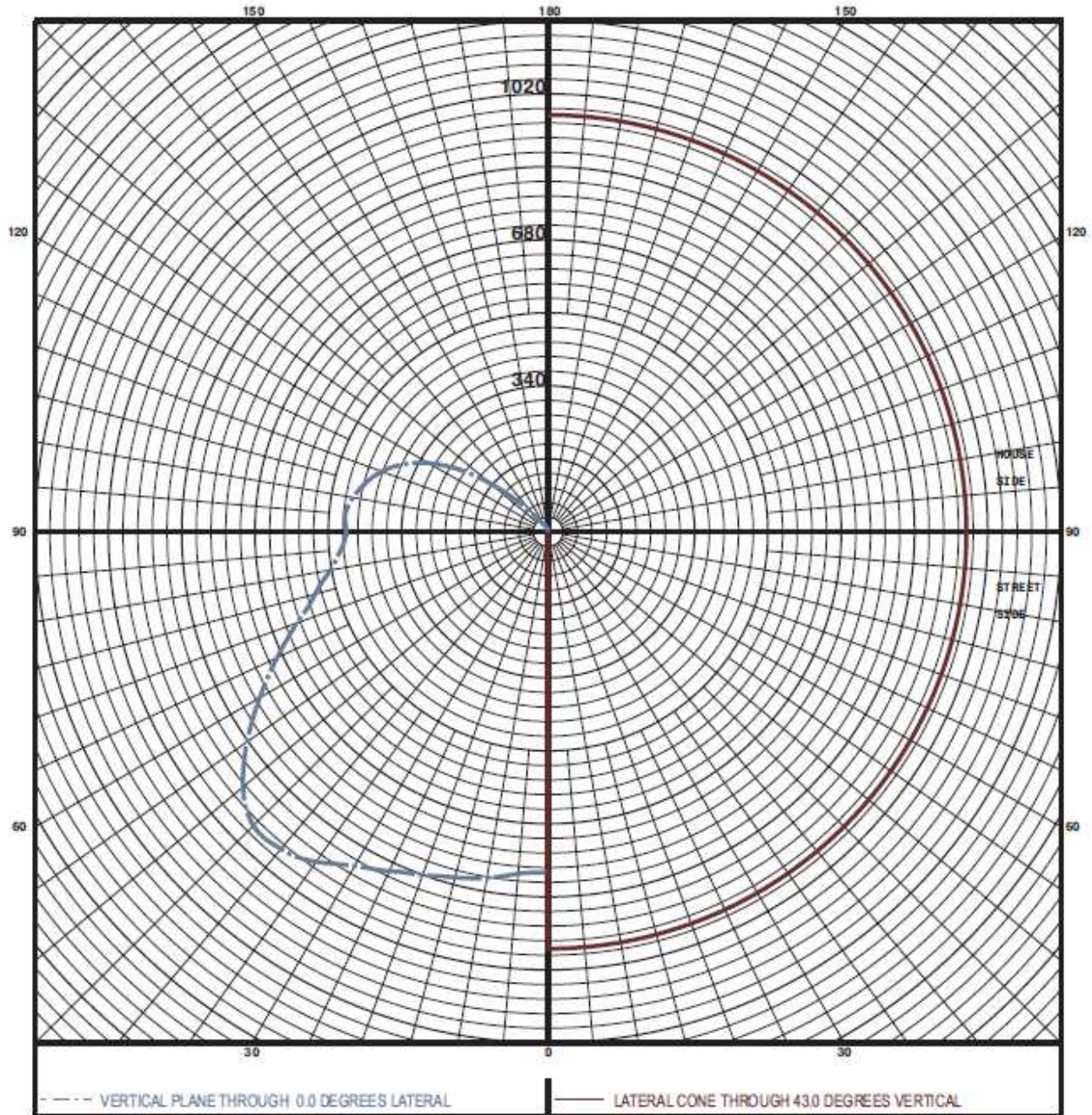
## ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION VALUES BASED ON 20.00 FOOT MOUNTING HEIGHT





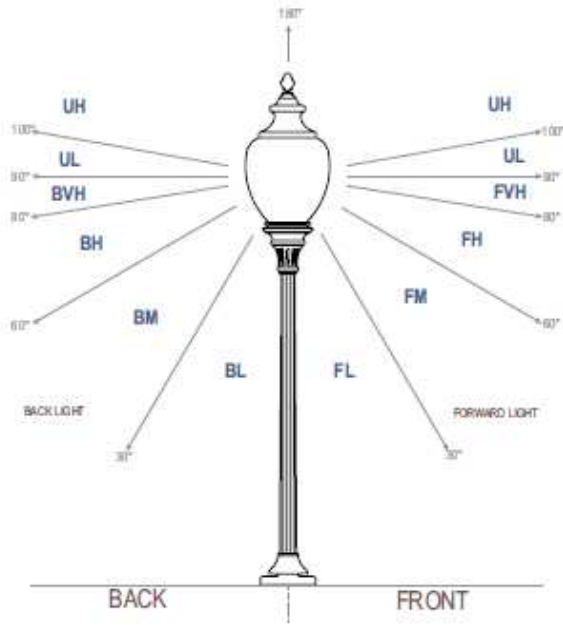
# PHOTO METRICS FOR 100 WATT LOW BAY

## MAXIMUM PLANE AND CONE PLOTS OF CANDELA



# PHOTO METRICS FOR 100 WATT LOW BAY

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM



FLUX		
ZONE	LUMINAIRE LUMENS	% OF LAMP LUMENS
<b>FORWARD LIGHT</b>	2312	30.8
FL ( 0°-30°)	359	4.8
FM (30°-60°)	1047	14
FH (60°-80°)	641	8.5
FVH (80°-90°)	265	3.5
<b>BACK LIGHT</b>	2312	30.8
BL ( 0°-30°)	359	4.8
BM (30°-60°)	1047	14
BH (60°-80°)	641	8.5
BVH (80°-90°)	265	3.5
<b>UPLIGHT</b>	1679	22.4
UL (90°-100°)	512	6.8
UH (100°-180°)	1167	15.6
<b>TRAPPED LIGHT</b>	1198	16

