

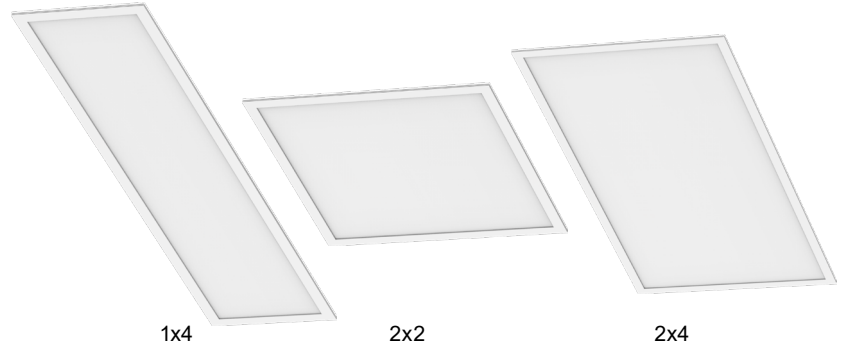
# PAN



407-478-3759  
www.ilp-inc.com

## FEATURES

- 1x4, 2x2 & 2x4 Flat Panel
- Slim Low Profile Design with Seamless Frame
- Aluminum Post Painted Housing
- PMMA LGP Material – Non-Yellowing Lens
- Impact and Scratch Resistant Lens
- L90=50,000 hours – L80 > 100,000 hours
  - 3x Life of Most Competition
- Controls Options
  - Bi-Level Dimming Module
  - Sensor Ready Module
  - DALI Ready Module
- 3500K & 4000K CCT
- 0-10V Dimmable Driver (100% - 10%)
- 120-277V Universal Voltage
- IC Rated for Insulated Ceilings
- 7 Year Warranty
- UL Listed for Dry and Damp Location
- DesignLights Consortium® Premium Qualified Luminaire



## SUITABLE APPLICATIONS

- Offices • Multipurpose Rooms • Hallways • School • Conference Rooms

LED SYSTEMS INFO		20W	30W		20W	30W		30W	36W
Calculated L <sub>70</sub> (TM-21)	1' X 4'	>100K	>100K	2' X 2'	>100K	>100K	2' X 4'	>100K	>100K
Delivered Lumens		2,419 lm	3,894 lm		2,619 lm	3,941 lm		3,999 lm	4,553 lm
Total Input Watts		19 W	30 W		20 W	31 W		32 W	36 W
Luminaire Efficacy Rating (LER)		128 lm/w	126 lm/w		128 lm/w	127 lm/w		127 lm/w	127 lm/w
Color Rendering Index (CRI)		>80	>80		>80	>80		>80	>80
Color Temperature		4000K	4000K		4000K	4000K		4000K	4000K
Ambient Temperature Range		-4°F - 104°F	-4°F - 104°F		-4°F - 104°F	-4°F - 104°F		-4°F - 104°F	-4°F - 104°F
Replaces Existing	2T8	2T8 / 1T5HO	2T8	3T8	2T8	3T8			

LED System data based on PAN14-20WLED-U-40, PAN14-30WLED-U-40, PAN22-20WLED-U-40, PAN22-30WLED-U-40, PAN24-30WLED-U-40, PAN24-36WLED-U-40. Lumen maintenance estimates based on TM-21 projections for the light source at 25°C ambient.

## ORDERING GUIDE:

Series	Watts	Driver	Color	Options	
<b>PAN14</b>	<b>20WLED</b>	U 120-277V Driver	<b>40</b>	<b>BLD</b>	Bi-Level Dimming Module (2 hot leads)
	<b>30WLED</b>		<b>35</b>	<b>SR</b>	Sensor Ready Module (Compatible Controls on page 2)
<b>PAN22</b>	<b>20WLED</b>			<b>DR</b>	DALI Ready Module (Compatible Controls on page 2)
	<b>30WLED</b>			<b>SNS200CMP<sup>1</sup></b>	EasySense Grouping Ceiling Mount Sensor
<b>PAN24</b>	<b>30WLED</b>			<b>FLGK</b>	Flange Kit
				<b>SM</b>	Surface Mount Kit
				<b>FI/ILBCP05</b>	Factory Installed 5W LED Battery Backup
				<b>FI/ILBCP07</b>	Factory Installed 7W LED Battery Backup
				<b>FI/ILBCP10</b>	Factory Installed 10W LED Battery Backup
				<b>FI/ILBCP12</b>	Factory Installed 12W LED Battery Backup
				<b>SD347<sup>2</sup></b>	347V Step Down Transformer
				<b>WHIP/6FT</b>	6ft MC Cable Whip w/ 3 leads
				<b>WHIP/6FT/4WIRE</b>	6ft 4 Wire MC Cable Whip w/ 3 leads attached to power & 1 lead for battery backup
				<b>WHIP/6FT/5WIRE</b>	6ft 4 Wire MC Cable Whip w/ 3 leads attached to power & 2 lead attached to dimming
				<b>WHIP/6FT/6WIRE</b>	6ft 6 Wire MC Cable Whip w/ 3 leads for fixture power & 2 leads for dimming & 1 battery backup

<sup>1</sup>Can be wired to up to (4) fixtures with SR Option

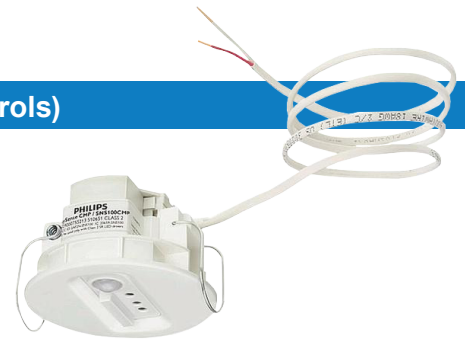
<sup>2</sup>Not DLC Listed

# PAN

## COMPATIBLE CONTROLS SOLUTIONS (Field Installed Controls)

- EasySense
- Lutron
- Enlighted
- Delta Controls
- Magnum
- Inquire for more options

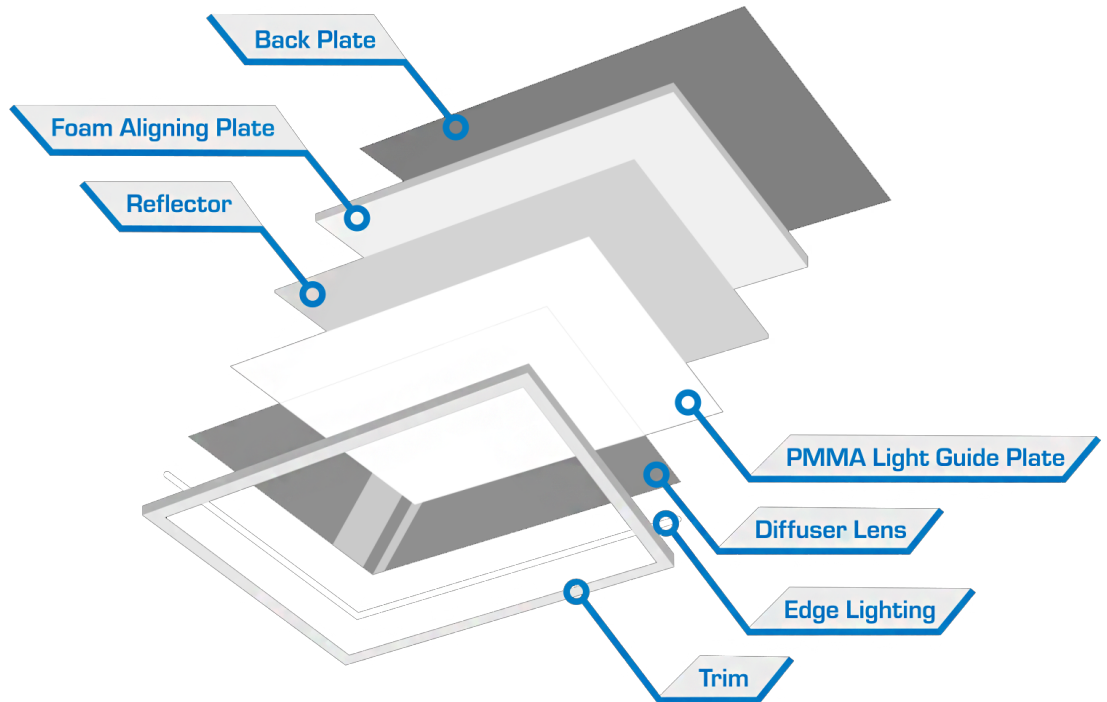
\*Must be used with either SR or DR option. Contact factory for proper pairing.



EasySense SNS200CMP

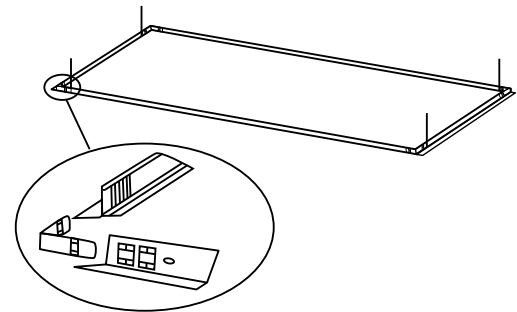
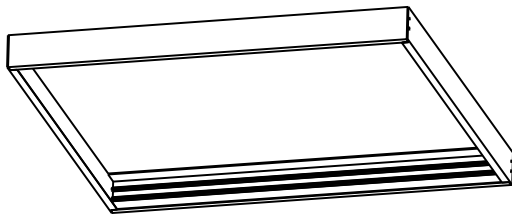
## FIXTURE LAYERS

- Back Plate
- Foam Aligning Plate
- Reflector
- PMMA Light Guide
- Diffuser Lens
- Edge Lighting
- Trim



## MOUNTING OPTIONS

- Surface Mount Kit
- Flange Kit



### Surface Mount Kit:

Dimensions:

- 1x4 - 12.25" W x 48.25" L x 2.5" H
- 2x2 - 24.25" W x 24.25" L x 2.5" H
- 2x4 - 24.25" W x 48.25" L x 2.5" H

### Flange Kit:

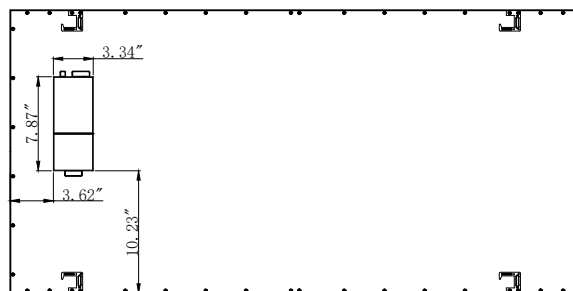
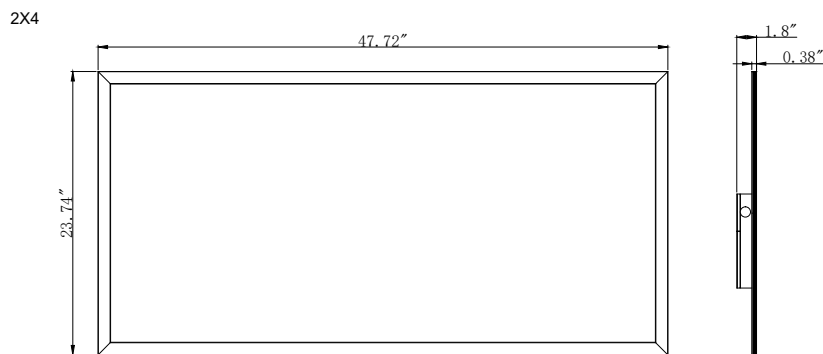
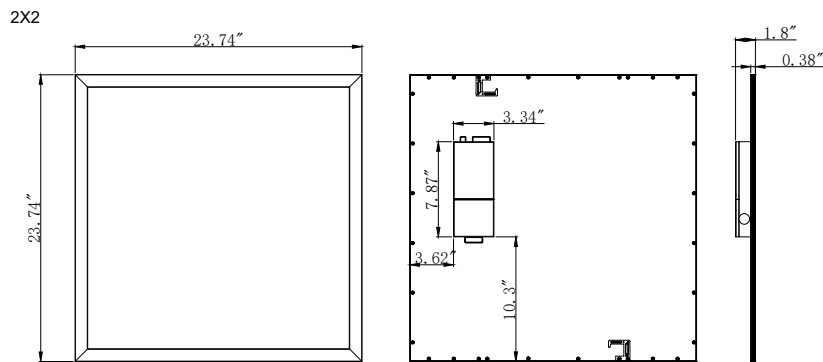
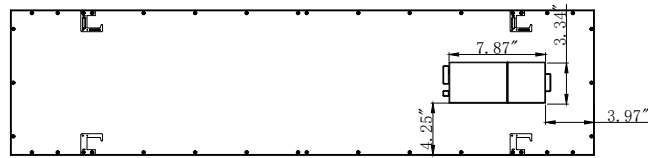
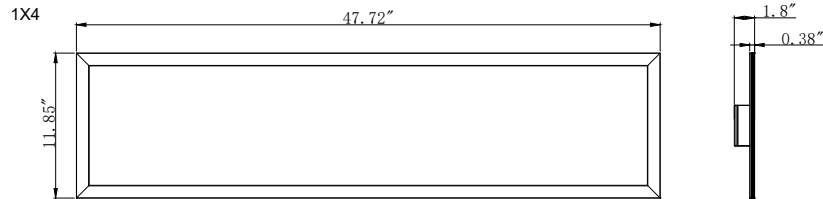
Dimensions:

- 1x4 - Ceiling opening is 12.25" x 48.25"
- 2x2 - Ceiling opening is 24.25" x 24.25"
- 2x4 - Ceiling opening is 24.25" x 48.25"

# PAN

## LINE DRAWINGS

- 1X4
- 2X2
- 2X4



## PHOTOMETRIC REPORTS

Photometric values based upon tests performed in compliance with LM-79. IES files can be downloaded at [www.ilp-inc.com](http://www.ilp-inc.com)

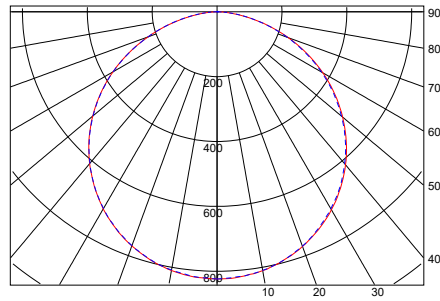
### PAN14-20WLED-U-35

#### SUMMARY DATA

HEMISPHERES TESTED:	BOTH
EFFICIENCY (Total):	100.0 %
EFFICIENCY (Downlight):	99.8%
EFFICIENCY (Uplight):	0.2%
CIE CLASSIFICATION:	DIRECT
LUMENS/LAMP:	2388.919
INPUT WATTS:	18.8

#### PLANE AND CONE DIAGRAM

CANDELA PLOT



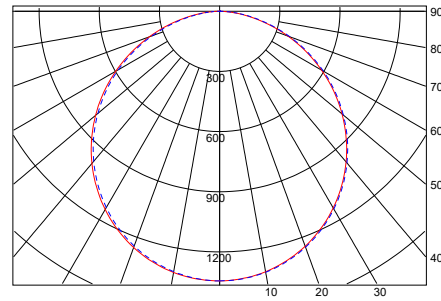
### PAN14-30WLED-U-35

#### SUMMARY DATA

HEMISPHERES TESTED:	BOTH
EFFICIENCY (Total):	100.0 %
EFFICIENCY (Downlight):	100.0%
EFFICIENCY (Uplight):	0.0%
CIE CLASSIFICATION:	DIRECT
LUMENS/LAMP:	3841.957
INPUT WATTS:	30.5

#### PLANE AND CONE DIAGRAM

CANDELA PLOT



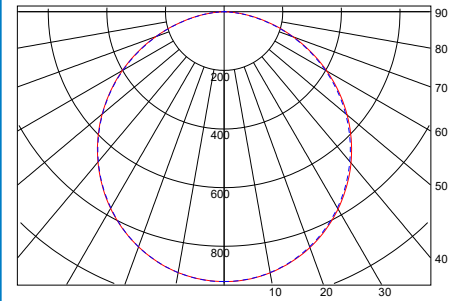
### PAN22-20WLED-U-35

#### SUMMARY DATA

HEMISPHERES TESTED:	BOTH
EFFICIENCY (Total):	100.0 %
EFFICIENCY (Downlight):	99.8%
EFFICIENCY (Uplight):	0.2%
CIE CLASSIFICATION:	DIRECT
LUMENS/LAMP:	2616.362
INPUT WATTS:	20.5

#### PLANE AND CONE DIAGRAM

CANDELA PLOT



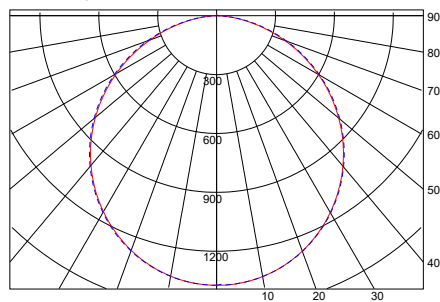
### PAN22-30WLED-U-35

#### SUMMARY DATA

HEMISPHERES TESTED:	BOTH
EFFICIENCY (Total):	100.0 %
EFFICIENCY (Downlight):	99.8%
EFFICIENCY (Uplight):	0.2%
CIE CLASSIFICATION:	DIRECT
LUMENS/LAMP:	3914.738
INPUT WATTS:	30.9

#### PLANE AND CONE DIAGRAM

CANDELA PLOT



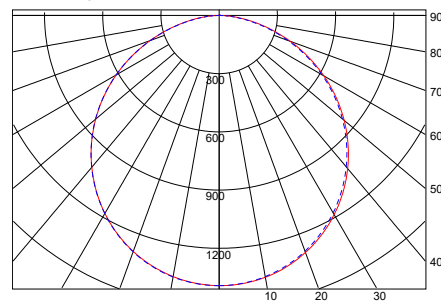
### PAN24-30WLED-U-35

#### SUMMARY DATA

HEMISPHERES TESTED:	BOTH
EFFICIENCY (Total):	100.0 %
EFFICIENCY (Downlight):	99.9%
EFFICIENCY (Uplight):	0.1%
CIE CLASSIFICATION:	DIRECT
LUMENS/LAMP:	3996.882
INPUT WATTS:	31.8

#### PLANE AND CONE DIAGRAM

CANDELA PLOT



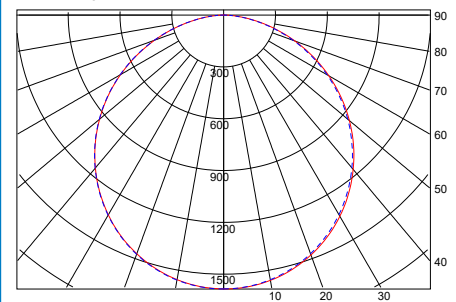
### PAN24-36WLED-U-35

#### SUMMARY DATA

HEMISPHERES TESTED:	BOTH
EFFICIENCY (Total):	100.0 %
EFFICIENCY (Downlight):	100.0%
EFFICIENCY (Uplight):	0.0%
CIE CLASSIFICATION:	DIRECT
LUMENS/LAMP:	4518.34
INPUT WATTS:	35.8

#### PLANE AND CONE DIAGRAM

CANDELA PLOT



## PHOTOMETRIC REPORTS

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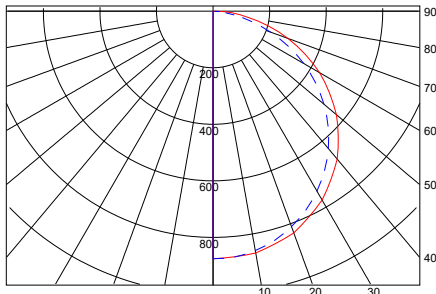
### PAN14-20WLED-U-40

#### SUMMARY DATA

HEMISPHERES TESTED:	BOTH
EFFICIENCY (Total):	50.1 %
EFFICIENCY (Downlight):	50.1%
EFFICIENCY (Uplight):	0.2%
CIE CLASSIFICATION:	DIRECT
LUMENS/LAMP:	2470.8
INPUT WATTS:	18.5366

#### PLANE AND CONE DIAGRAM

CANDELA PLOT



Totally Asymmetric Solid: 180-0 Degrees Dashed: 270-90 Degrees

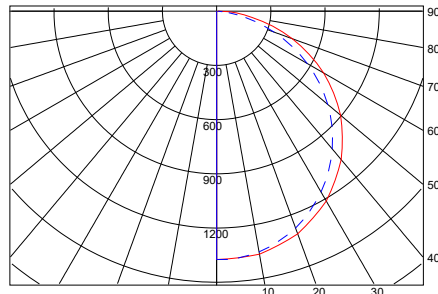
### PAN14-30WLED-U-40

#### SUMMARY DATA

HEMISPHERES TESTED:	BOTH
EFFICIENCY (Total):	50.1%
EFFICIENCY (Downlight):	50.1%
EFFICIENCY (Uplight):	0.0%
CIE CLASSIFICATION:	DIRECT
LUMENS/LAMP:	3887.1
INPUT WATTS:	29.3019

#### PLANE AND CONE DIAGRAM

CANDELA PLOT



Totally Asymmetric Solid: 180-0 Degrees Dashed: 270-90 Degrees

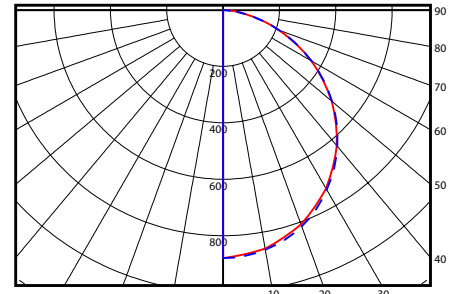
### PAN22-20WLED-U-40

#### SUMMARY DATA

HEMISPHERES TESTED:	BOTH
EFFICIENCY (Total):	100.0 %
EFFICIENCY (Downlight):	99.8%
EFFICIENCY (Uplight):	0.2%
CIE CLASSIFICATION:	DIRECT
LUMENS/LAMP:	2616.362
INPUT WATTS:	20.5

#### PLANE AND CONE DIAGRAM

CANDELA PLOT



Totally Asymmetric Solid: 180-0 Degree Dashed: 270-90 Degrees

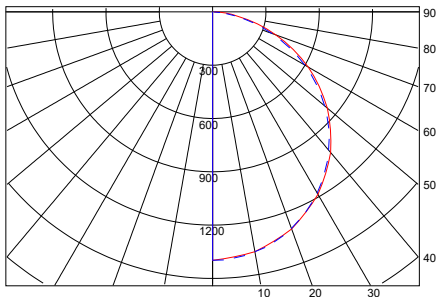
### PAN22-30WLED-U-40

#### SUMMARY DATA

HEMISPHERES TESTED:	BOTH
EFFICIENCY (Total):	49.9 %
EFFICIENCY (Downlight):	49.9%
EFFICIENCY (Uplight):	0.2%
CIE CLASSIFICATION:	DIRECT
LUMENS/LAMP:	3968.7
INPUT WATTS:	29.6153

#### PLANE AND CONE DIAGRAM

CANDELA PLOT



Totally Asymmetric Solid: 180-0 Degrees Dashed: 270-90 Degrees

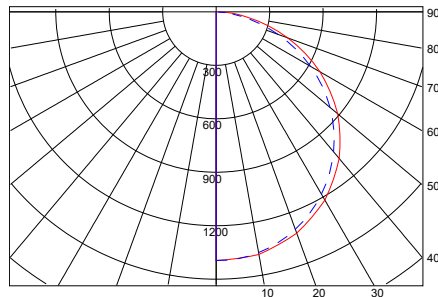
### PAN24-30WLED-U-40

#### SUMMARY DATA

HEMISPHERES TESTED:	BOTH
EFFICIENCY (Total):	50.1 %
EFFICIENCY (Downlight):	50.1%
EFFICIENCY (Uplight):	0.1%
CIE CLASSIFICATION:	DIRECT
LUMENS/LAMP:	4008.8
INPUT WATTS:	29.9603

#### PLANE AND CONE DIAGRAM

CANDELA PLOT



Totally Asymmetric Solid: 180-0 Degrees Dashed: 270-90 Degrees

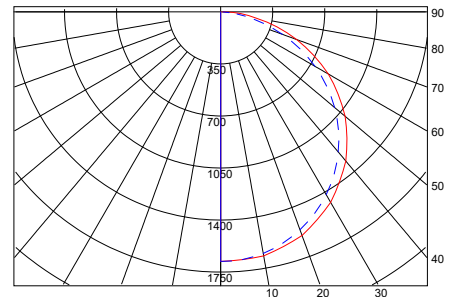
### PAN24-36WLED-U-40

#### SUMMARY DATA

HEMISPHERES TESTED:	BOTH
EFFICIENCY (Total):	50.0 %
EFFICIENCY (Downlight):	50.0%
EFFICIENCY (Uplight):	0.0%
CIE CLASSIFICATION:	DIRECT
LUMENS/LAMP:	4824
INPUT WATTS:	35.98

#### PLANE AND CONE DIAGRAM

CANDELA PLOT



Totally Asymmetric Solid: 180-0 Degrees Dashed: 270-90 Degrees