

LINEA 800-450 G2®

Pole Mounted Luminaire

.hess

DESCRIPTION

The LINEA series features distinctly linear design qualities and exceptional versatility. Perceptively capturing today's minimal design philosophy, the reduced form is sure to retain its validity far into the future. It is available in three mounting heights in single or twin mounting configurations. The bi-level Linea 800-450 G2® model stands 26' overall with a larger luminaire at the top for street side illumination and lower luminaire at 15' on the opposing side for pedestrian or pathway lighting. The pedestrian-scale model is 15 feet, with intermediate and larger sizes at 20 and 26 feet, respectively, giving proper scale for a variety of applications. An LED illuminating bollard for low-level pathway illumination complements the family of products. CSA Listed for Wet Locations.



ORDERING INFORMATION

LUMINAIRE													
MODEL	LED MODULES		CCT	CONTROL	VOLTAGE	DISTRIBUTION		MOUNTING HEIGHT		BASE COVER	MOUNTING KIT	FINISH	OPTION
	UPPER	LOWER				UPPER	LOWER	UPPER	LOWER				
LN800-450G	3	1	30K	DIM	UNV	T2	T2	26	15	BC	MK	BL	3PR
Linea	3 Modules	1 Module	3000K*	0-10v Dimming	120-277v	Type II	Type II	26'	15'	Base Cover	Mounting Kit (Anchor Bolts + Templates)	Black	3-Pin NEMA Photocontrol Receptacle
800-450G2													
Bi-Level													
Luminaire and	4	2	40K			T3	T3	XX				DB	7PR
Steel Pole	4 Modules	2 Modules	4000K			Type III	Type III	Specify desired height in feet.				Dark Bronze	7-Pin NEMA Photocontrol Receptacle
						T4	T4					DG	HSS
						Type IV	Type IV					Dark Grey	House Side Shield
						T5	T5					GG	MS
						Type V	Type V					Graphite Grey	Motion Sensor
												SG	TVSS20
												Silver Grey	20KV Surge Suppressor
												CC	GFCI-
												Custom RAL Color	GFCI Receptacle: Specify Using Ordering Information Below.

*DarkSky approved when ordered with 3000K CCT only.

Banner Arms are available; see page 5 for ordering information.

Custom options are available; consult factory for assistance via phone at (864) 487-3535 ext. 258 or via email at DesignServices@EXP-Brands.com.

Legacy Linea is available on request.

GFCI - ADD GFCI CATALOG NUMBER TO ACCESSORY PORTION OF LUMINAIRE CATALOG NUMBER.		
RECEPTACLE/BOX	RECEPTACLE TYPE	MOUNTING
GFCI	1	A
GFCI Receptacle Box	GFCI (2 GFCI Outlets)	Semi-Recessed
	2	B
	GFCI + USB-C (2 GFCI Outlets + 2 USB-C Charging Ports)	Surface Mount
	3	
	GFCI + USB-A + USB-C (2 GFCI Outlets + 1 USB-A + 1 USB-C Charging Ports)	



www.HessAmerica.com
For other Experience® Brands companies, please visit www.ExperienceBrandsUSA.com.

In a continuing effort to offer the best product possible, we reserve the right to change, without notice, specifications or materials. Technical specification sheets that appear online are the most recent ones available. *Consult the factory to verify current status of BAA/TAA/BABAA compliance.

SPECIFICATIONS

HOUSING

Rectangular luminaire housing with integral fitter is extruded 6061 aluminum with T6 temper and shows no visible welds. Individual LED arrays are sealed by the lens and a one-piece silicone gasket making a weather tight modular assembly. Luminaire mounts to tenon on pole and secured with four socket head cap screws on top of the housing. Luminaire is available in single or twin back-to-back mounting configurations. All hardware is stainless steel.

OPTICS

Optics consist of 3 or 4 individual LED modules for the upper luminaire, and 1 or 2 individual LED modules for the lower luminaire. Each module consists of a field replaceable aluminum core PCB with four high-power LEDs and a single piece lens molded from optical quality acrylic. Light distributions include a choice of Type II, III, or IV optics. Luminaire emits zero uplight at 90 degrees horizontal and above and is suitable for use in all LEED lighting zones. CRI is 80+. Optional house side shields for the individual modules are available on request.

LED DELIVERED LUMEN OUTPUT / BUG RATING

Upper Luminaire: 4 Modules: 144 watts

Type II - 3000K: 14370 lumens / B3-U0-G3

Type III - 3000K: 14392 lumens / B3-U0-G3

Type IV - 3000K: 13662 lumens / B3-U0-G3

Type II - 4000K: 15577 lumens / B3-U0-G3

Type III - 4000K: 15601 lumens / B3-U0-G3

Type IV - 4000K: 14809 lumens / B3-U0-G3

4 Modules with House-Side Shield : 144 watts

Type II - 3000K: 13628 lumens /

Type III - 3000K: 13610 lumens / B3-U0-G2

Type IV - 3000K: 12814 lumens / B2-U0-G2

Type II - 4000K: 14773 lumens / B2-U0-G2

Type III - 4000K: 14753 lumens / B3-U0-G2

Type IV - 4000K: 13890 lumens / B2-U0-G3

Lower Luminaire: 2 Modules: 72 watts

Type II - 3000K: 14370 lumens / B2-U0-G2

Type III - 3000K: 14392 lumens / B2-U0-G2

Type IV - 3000K: 13662 lumens / B2-U0-G2

Type II - 4000K: 7789 lumens / B2-U0-G2

Type III - 4000K: 7800 lumens / B2-U0-G2

Type IV - 4000K: 7405 lumens / B2-U0-G2

2 Modules w/ House Side Shield: 72 watts

Type II - 3000K: 6814 lumens / B1-U0-G1

Type III - 3000K: 6805 lumens / B2-U0-G1

Type IV - 3000K: 6407 lumens / B1-U0-G2

Type II - 4000K: 7386 lumens / B1-U0-G2

Type III - 4000K: 7377 lumens / B2-U0-G1

Type IV - 4000K: 6945 lumens / B1-U0-G2

NOTE: Due to rapid and continuous advances in LED technology, LED luminaire data is subject to change without notice and at the discretion of HessAmerica. Consult factory for current technical data.

ELECTRICAL

Each LED module is driven by an independent electronic driver. Input voltage range is 120v through 277v at 50/60Hz. Each driver supplies 700mA drive current to its respective LED module. Power consumption for models with one module is 36 watts; two modules is 72 watts; three modules is 108 watts; and 144 watts for models with four LED light engines. Optional 0-10v DC dimming is available on request.

LN800 LUMINAIRE WEIGHT: 26 lbs. **LN800 LUMINAIRE EPA:** 1.6 sq. ft **LN450 LUMINAIRE WEIGHT:** 22 lbs. **LN450 LUMINAIRE EPA:** 1.3 sq. ft

POLE

Straight rectangular pole is 6.3" x 4.7" nominal and manufactured from cold drawn over mandrel, electric-weld, mechanical rectangular steel tubing with nominal wall thickness of 0.197". Sides of shaft are flat with 3/8" radius corners. Pole shall show no seam along shaft. Flush mounted hand hole cover is plasma cut with kerf not to exceed 1/16" and includes triangular tamper-resistant locking device. Pole is hot-dip galvanized with coating inside and out, then lightly sanded prior to painting. Nominal pole height is 26' with lower pedestrian luminaire mounted at 15'.

FINISH

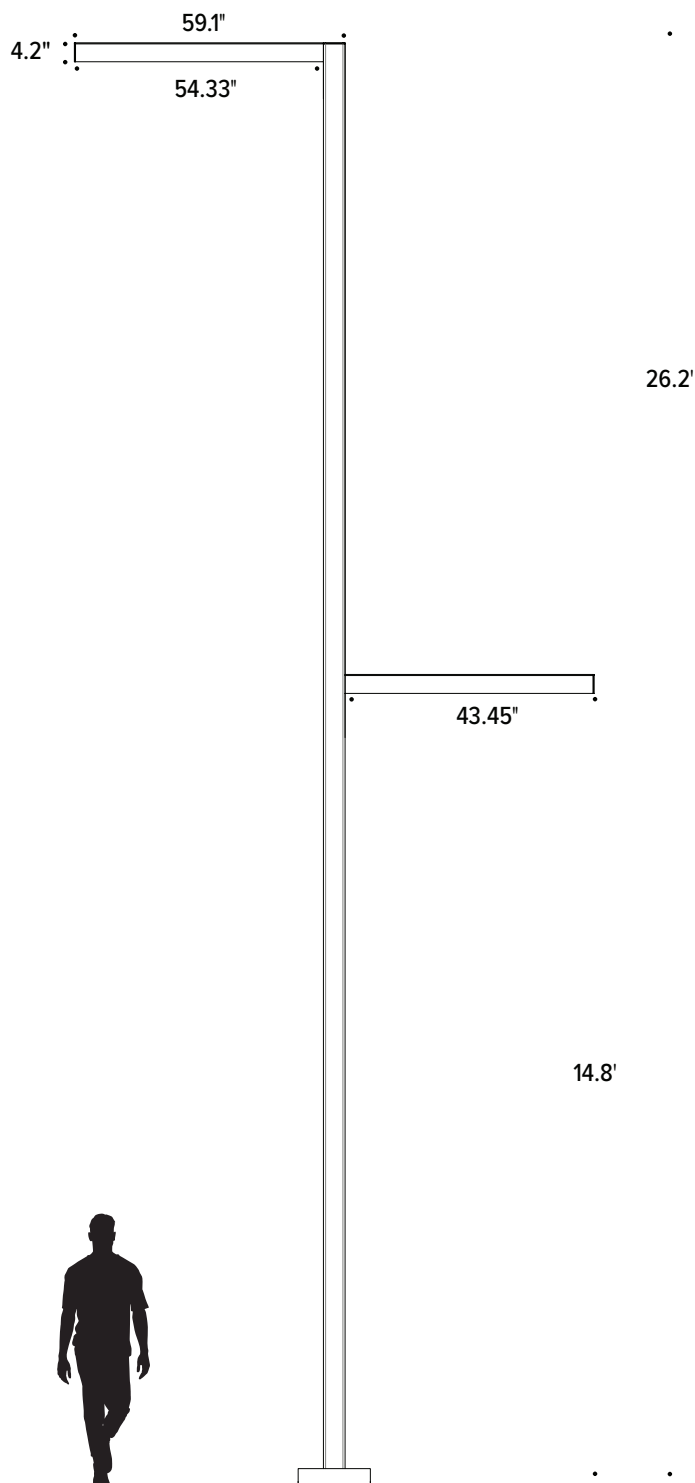
Standard finishes are finely textured matte silver grey metallic, dark grey, graphite grey, matte black, or dark bronze. Special colors available on request.

CERTIFICATION: CSA Certified for Wet Locations. DarkSky Approved Luminaire when ordered in 3000K.

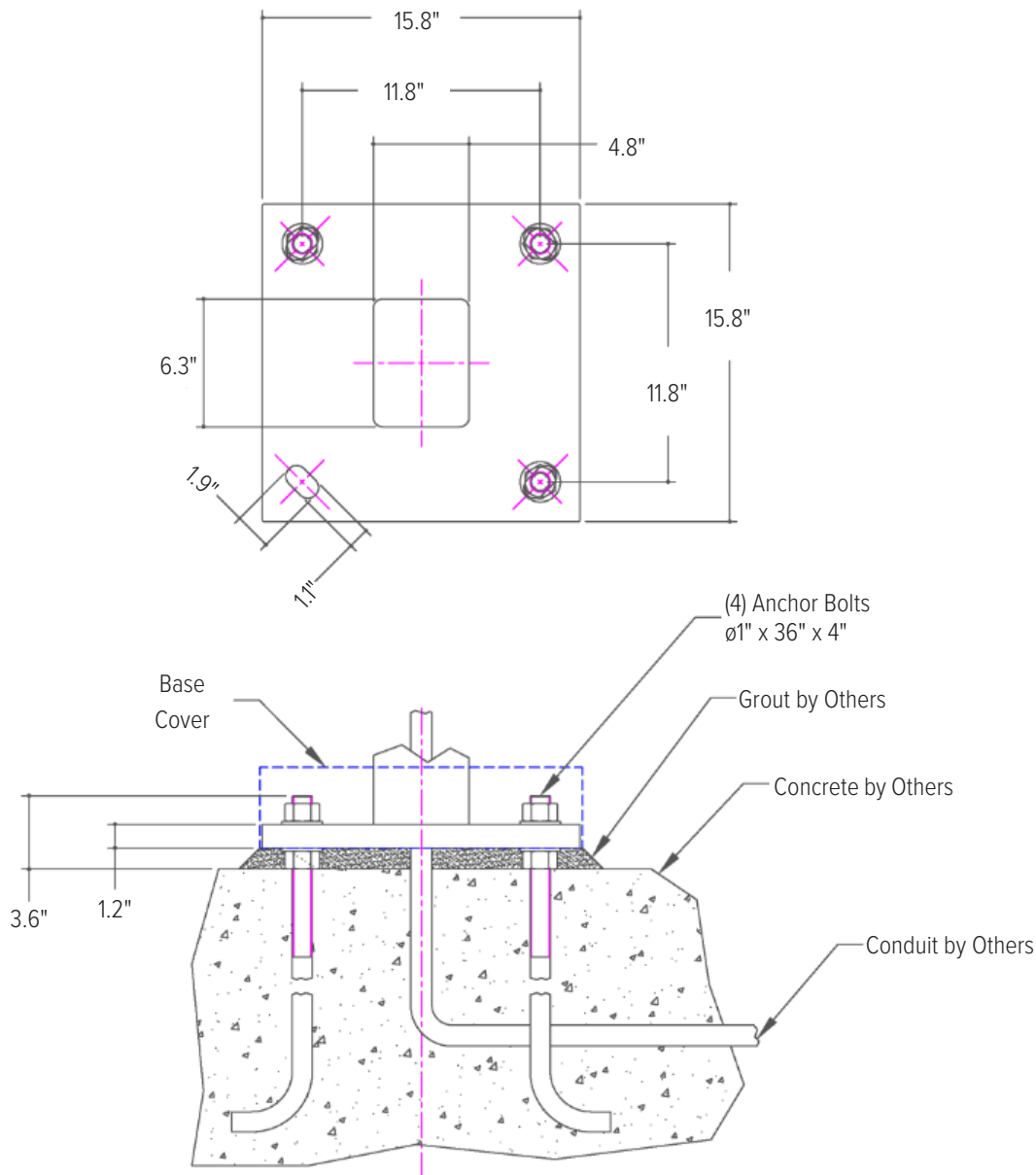
INGRESS PROTECTION: IP65

WARRANTY: Limited product warranty period including LEDs is five years. Driver shall carry the manufacturer's limited warranty.

DIMENSIONS



MOUNTING DETAILS



CUSTOMIZE YOUR EXPERIENCE.

At Experience Brands, we believe every space deserves unique lighting elements. We proudly specialize in crafting solutions that reflect your personal vision. Our expert team is here to collaborate with you to design and implement customized features that elevate your environment.

Ready to Get Started? Email us at: DesignServices@exp-brands.com

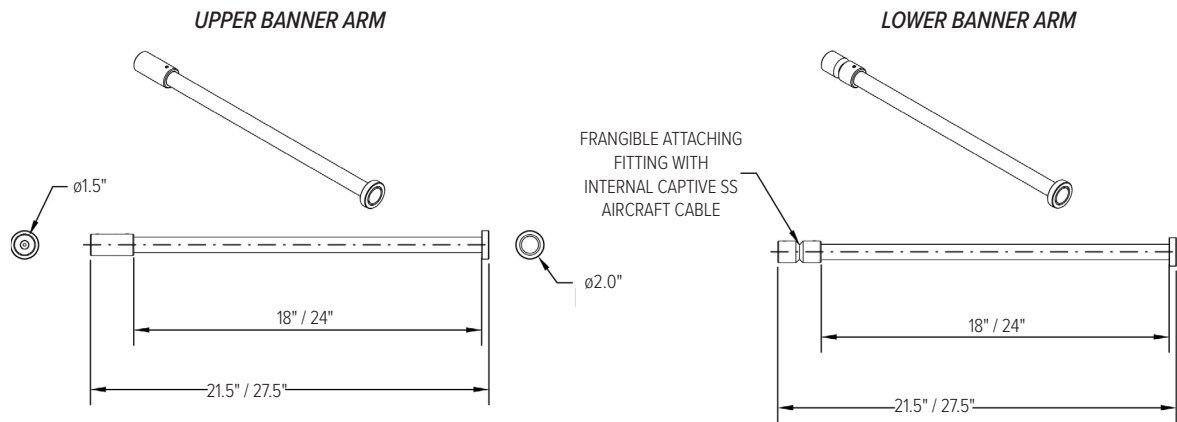
LINEA 800-450 G2[®]

Pole Mounted Luminaire

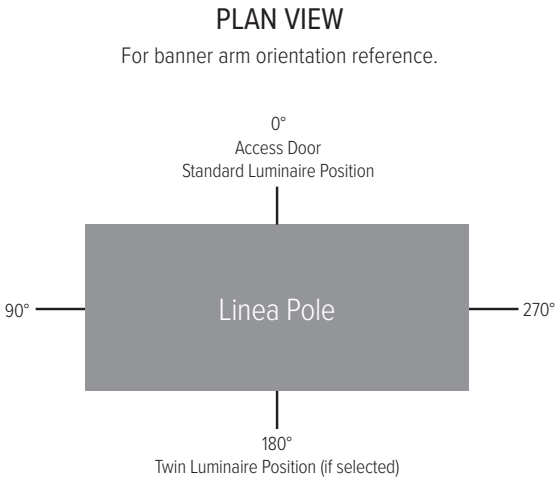
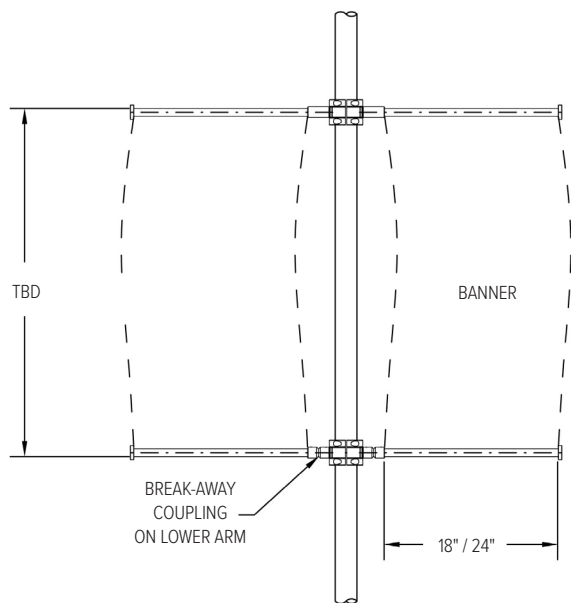
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BANNER ARM DETAILS

All dimensions are shown in inches unless otherwise noted.



NOTE: Frangible attachments for banner arms are designed to break at 60% to 70% of the rated load of the pole.



ORDERING INFORMATION: BANNER ARM ACCESSORY						
MODEL ¹	STYLE	BANNER WIDTH	BANNER LENGTH	ORIENTATION ²	HEIGHT TO TOP OF BANNER	FINISH
BA-LN Linea Banner Arm Set	S Single Banner Arm Set	18 18 Inches	30 30 Inches	0 0°	XX³	BL Black
	D Double Banner Arm Set	24 24 Inches	48 48 Inches	90 90°		DB Dark Bronze
			60 60 Inches	180 180°		DG Dark Grey
			72 72 Inches	270 270°		GG Graphite Grey
						SG Silver Grey
						CC Custom RAL Color

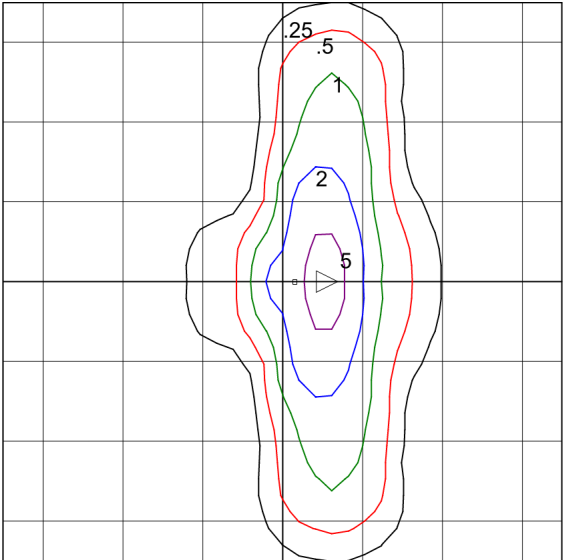
¹Set includes upper and lower breakaway banner arms.

²Orientation is relative to handhole position, which is located at 0°. Reference Plan View drawing above for details.

³Specify, in inches, the desired height from the bottom of the pole to the top of the banner. Factory will determine mounting location of lower banner arm based on the banner length.

PHOTOMETRICS (4000K)
Mounting Height: 1" / Scale: Each square = 26'

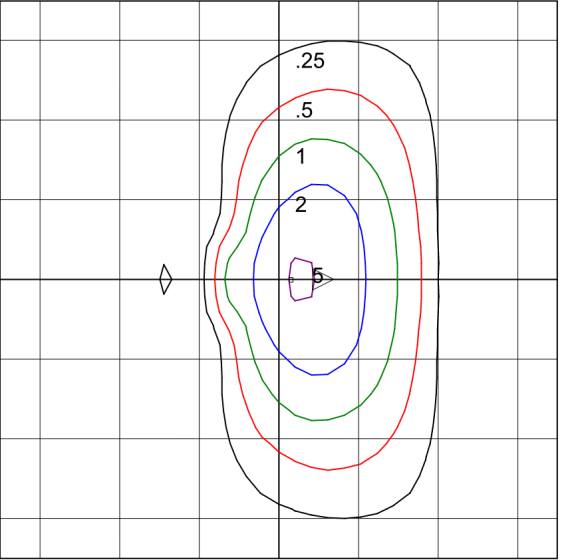
Type II - Standard Optics



HessAmerica
LG600-800-4LVC-NW-T2
LINEA 600-800 G2
Nichia 144

Horizontal Footcandles
Scale: 1 Inch = 26 Ft.
Light Loss Factor = 0.90
Lumens Per Lamp = N.A. (absolute photometry)
Luminaire Lumens = 15577
Mounting Height = 26.00 Ft
Maximum Calculated Value = 7.60 Fc
Arrangement: Single
Arm Length = 4 Ft

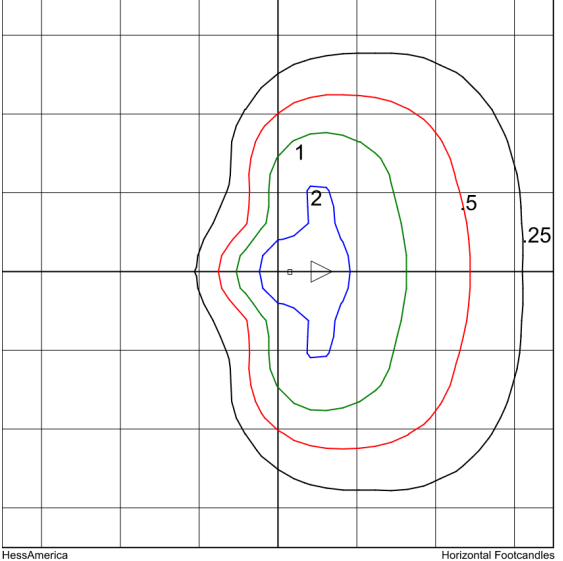
Type III - Standard Optics



HessAmerica
LG600-800-4LVC-NW-T3
LINEA 600-800 G2
Nichia 144

Horizontal Footcandles
Scale: 1 Inch = 26 Ft.
Light Loss Factor = 0.90
Lumens Per Lamp = N.A. (absolute photometry)
Luminaire Lumens = 15601
Mounting Height = 26.00 Ft
Maximum Calculated Value = 5.45 Fc
Arrangement: Single
Arm Length = 4 Ft

Type IV - Standard Optics



HessAmerica
LG600-800-4LVC-NW-T4
LINEA 600-800 G2
Nichia 144

Horizontal Footcandles
Scale: 1 Inch = 26 Ft.
Light Loss Factor = 0.90
Lumens Per Lamp = N.A. (absolute photometry)
Luminaire Lumens = 14809
Mounting Height = 26.00 Ft
Maximum Calculated Value = 3.17 Fc
Arrangement: Single
Arm Length = 4 Ft

ISOLINES LEGEND:

Black	=	0.25 FC
Red	=	0.50 FC
Green	=	1.0 FC
Blue	=	2.0 FC
Purple	=	5.0 FC