

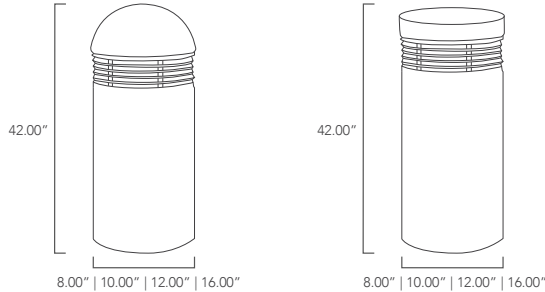


T885LED

OLYMPUS LED CONCRETE BOLLARD

JOB INFORMATION	TYPE:
	CATALOG NO.
	PROJECT NAME:
	COMMENTS:
	PREPARED BY:

DIMENSIONS



FEATURES



USE OF PRODUCT

The intended use of this product is for pathways, parking lots, plazas, entrance ways, parks, and as landscape accents.

HOUSING

- Steel-reinforcement pre-cast hollow concrete. Offered in four textures of sandblast- finished concrete: smooth, light, medium, and heavy.
- Optional tile installed onto the housing shaft for symbols, logos, or custom signage. (Contact Factory)

LOUVER

Aluminum grill 360° around the bollard with styles offered in horizontal or vertical. The louver finish is thermoset oven-baked powdercoat. Available in standard dark polyester bronze or consult factory for made to order architectural finishes.

CONCRETE FINISH

Available in 8 finishing options or consult factory for made to order finish.

OPTICS

- A 360° distribution pattern is standard. An optional internal "house side" 180° cut-off shield is available.
- Rubber gasketing seals the lens to the housing to prevent entrance of outside contaminants.

LED

High output LEDs offer a minimum estimated operating life of 50,000 hours in 3000K, 3500K, 4000K, or 5000K (standard) with CRI>83. LEDs placed on high performance aluminum heatsink for reduced junction temperatures and extended life.

DRIVER

Durable and long lasting LED driver operates at 120-277V and boasts a 90% power factor at 50 to 60 Hz with 0-10V Dimming Constant Current. Driver protections includes: Output open load, over-current and short-circuit, and over-temperature with auto recovery. 40°C Min Temp. 40°C Max Temp. Step down transformer may be utilized for 480V or 347V applications.

EPA

Effective Projected Area (Sq. Ft.): 0.2975 ft (1 fixture)

MOUNTING

- Bollard must be mounted on a concrete base. (Supplied by others)

LISTINGS/COMPLIANCE

- CEC Compliant emergency drive
- CSA for wet location.

ANCHOR BASE & BOLT

Four 3/8" by 12" galvanized anchor bolts are supplied, complete with two nuts and washers. The anchor base plate is constructed heavy-duty steel.

ORDERING INFO

T885LED						
Series	Diameter	Watt/lumens	Voltage	Color Temperature	Louver	Concrete
T-SERIES	8 - 8" Diameter	10 - 10W/728 lm	UNI12-120V-277V	30 - 3000K	HC - Horizontal clear	D - Domed
LED	10 - 10" Diameter	20 - 20W/1456 lm	347 - 347V	35 - 3500K	VC - Vertical clear	F - Flat
	12 - 12" Diameter	30 - 30W/2112 lm	480 - 480V	40 - 4000K	HO - Horizontal opal	
	16 - 16" Diameter	40 - 40W/3117 lm		50 ¹ - 5000K	VO - Vertical Opal	

Concrete Finish	Louver Finish	Options
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- WB - Warm Beige
- DG - Dusty Green
- GB - Golden Buff
- P - Pottery
- AB - Amber Beige
- B - Black
- W - White
- N² - Natural
- MTO - Made to order

- W - White
- B - Black
- BZ² - Bronze
- MTO² - Made to order

- EM - Emergency battery
- SP10 - Surge protection 10KV

Notes:

1. Standard color temperature.
2. Standard finish.
3. RAL number required.

PHOTOMETRICS

10W - 4000K Horizontal clear

TEST DATE	8Feb17
SERIES	T885LED
LOUVER	HC
LUMENS	728
WATTS	10.34

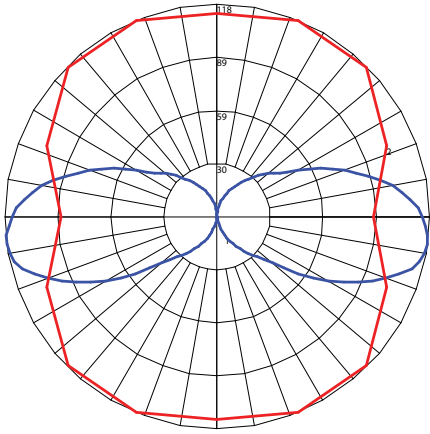
Characteristics

IES Classification:	Type VS
Longitudinal Classification:	Very Short
Lumens Per Lamp:	N.A. (absolute)
Total Lamp Lumens:	N.A. (absolute)
Luminaire Lumens:	728
Downward Total Efficiency:	N.A. (absolute)
Total Luminaire Efficiency:	N.A. (absolute)
Luminaire Efficacy Rating (LER):	70
Total Luminaire Watts:	10.34
Ballast Factor:	1.00
Upward Waste Light Ratio:	0.46
Maximum Candela:	118.08
Maximum Candela Angle:	67.5H 82.5V
Maximum Candela (<90 Degrees Vertical):	118.08
Maximum Candela Angle (<90 Degrees Vertical):	67.5H 82.5V
Maximum Candela At 90 Degrees Vertical:	114.048 (15.7% Lamp Lumens)
Maximum Candela from 80 to <90 Degrees Vertical:	118.08 (16.2% Lamp Lumens)
Cutoff Classification (deprecated):	N.A. (absolute)

Luminaire classification system

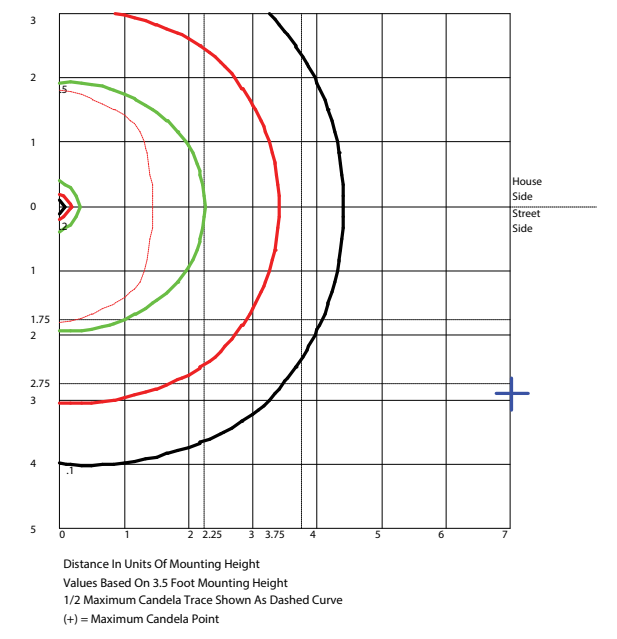
BUG RATING	B0 - U3 - G1		
	LUMENS	% LAMP	% LUMINAIRE
FRONT LIGHT			
LOW(0-30):	3.7	N.A.	0.5
MEDIUM(30-60):	40.8	N.A.	5.6
HIGH(60-80):	93.2	N.A.	12.8
VERY HIGH(80-90):	59.1	N.A.	8.1
BACK LIGHT			
LOW(0-30):	3.7	N.A.	0.5
MEDIUM(30-60):	40.8	N.A.	5.6
HIGH(60-80):	93.2	N.A.	12.8
VERY HIGH(80-90):	59.1	N.A.	8.1
UP LIGHT			
LOW(90-100):	109.0	N.A.	15.0
HIGH(100-180):	225.6	N.A.	31.0
TOTAL	728.2	N.A.	100.0

Polar graph

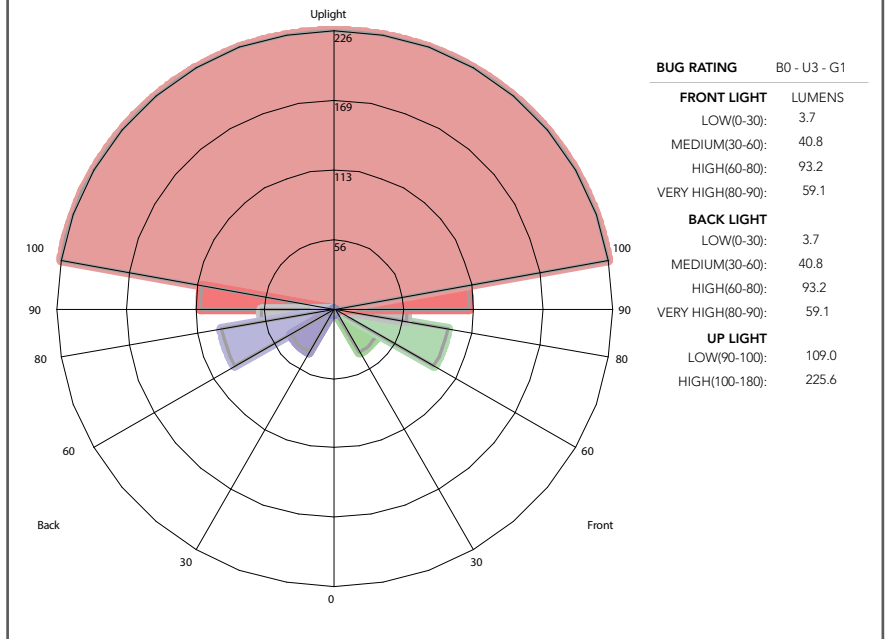


Maximum Candela = 118.08 Located At Horizontal Angle = 67.5, Vertical Angle = 82.5
 # 1 - Vertical Plane Through Horizontal Angles (67.5 - 247.5) (Through Max. Cd.)
 # 2 - Horizontal Cone Through Vertical Angle (82.5) (Through Max. Cd.)

Isofootcandle lines of horizontal illuminance



Luminaire classification system (lcs) graph



PHOTOMETRICS

20W - 4000K Horizontal clear

TEST DATE	8Feb17
SERIES	T885LED
LOUVER	HC
LUMENS	1456
WATTS	20.69

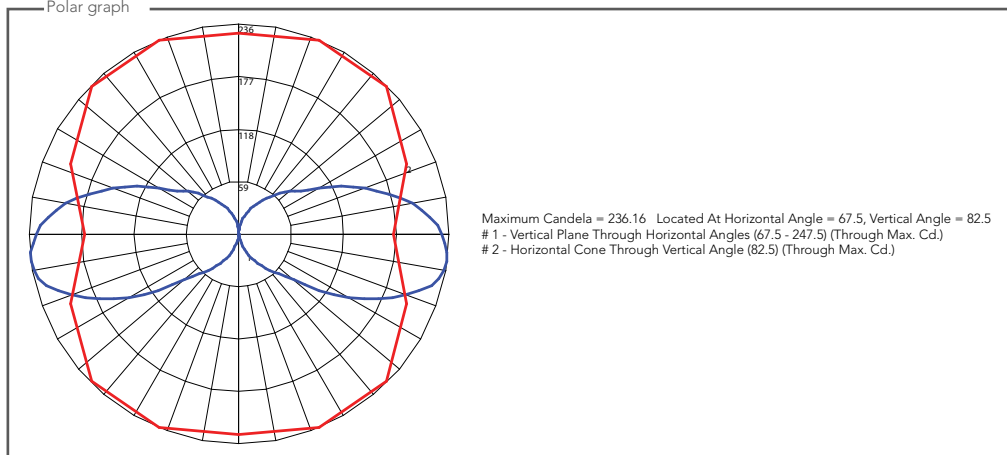
Characteristics

IES Classification:	Type VS
Longitudinal Classification:	Very Long
Lumens Per Lamp:	N.A. (absolute)
Total Lamp Lumens:	N.A. (absolute)
Luminaire Lumens:	1456
Downward Total Efficiency:	N.A. (absolute)
Total Luminaire Efficiency:	N.A. (absolute)
Luminaire Efficacy Rating (LER):	70
Total Luminaire Watts:	20.69
Ballast Factor:	1.00
Upward Waste Light Ratio:	0.46
Maximum Candela:	236.16
Maximum Candela Angle:	67.5H 82.5V
Maximum Candela (<90 Degrees Vertical):	236.16
Maximum Candela Angle (<90 Degrees Vertical):	67.5H 82.5V
Maximum Candela At 90 Degrees Vertical:	228.096 (15.7% Lamp Lumens)
Maximum Candela from 80 to <90 Degrees Vertical:	236.16 (16.2% Lamp Lumens)
Cutoff Classification (deprecated):	N.A. (absolute)

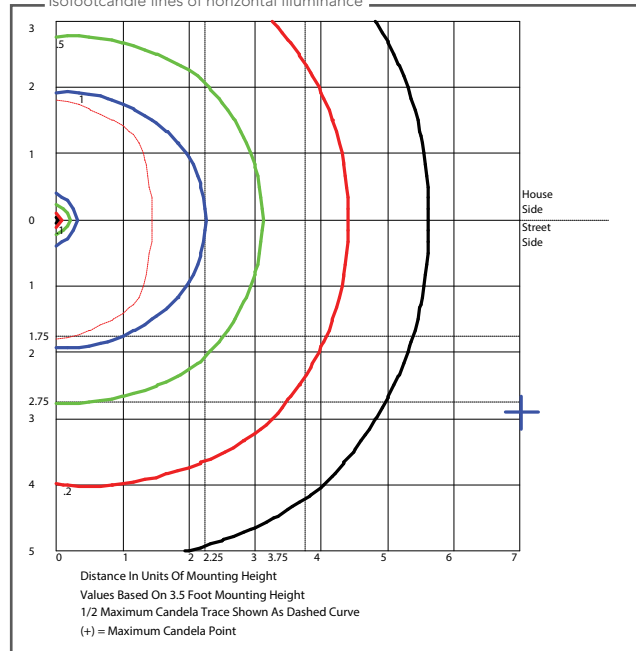
Luminaire classification system

BUG RATING	B1 - U3 - G2		
	LUMENS	% LAMP	% LUMINAIRE
FRONT LIGHT			
LOW(0-30):	7.4	N.A.	0.5
MEDIUM(30-60):	81.6	N.A.	5.6
HIGH(60-80):	186.3	N.A.	12.8
VERY HIGH(80-90):	118.3	N.A.	8.1
BACK LIGHT			
LOW(0-30):	7.4	N.A.	0.5
MEDIUM(30-60):	81.6	N.A.	5.6
HIGH(60-80):	186.3	N.A.	12.8
VERY HIGH(80-90):	118.3	N.A.	8.1
UP LIGHT			
LOW(90-100):	218.0	N.A.	15.0
HIGH(100-180):	451.1	N.A.	31.0
TOTAL	1456.3	N.A.	100.0

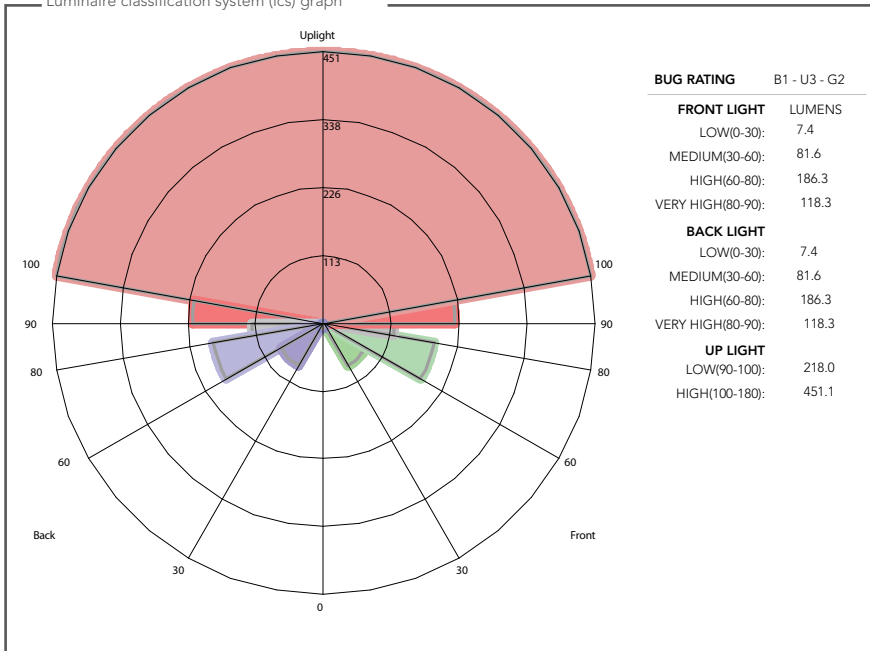
Polar graph



Isofootcandle lines of horizontal illuminance



Luminaire classification system (lcs) graph



PHOTOMETRICS

30W - 4000K Horizontal clear

TEST DATE	8Feb17
SERIES	T885LED
LOUVER	HC
LUMENS	2112
WATTS	28.97

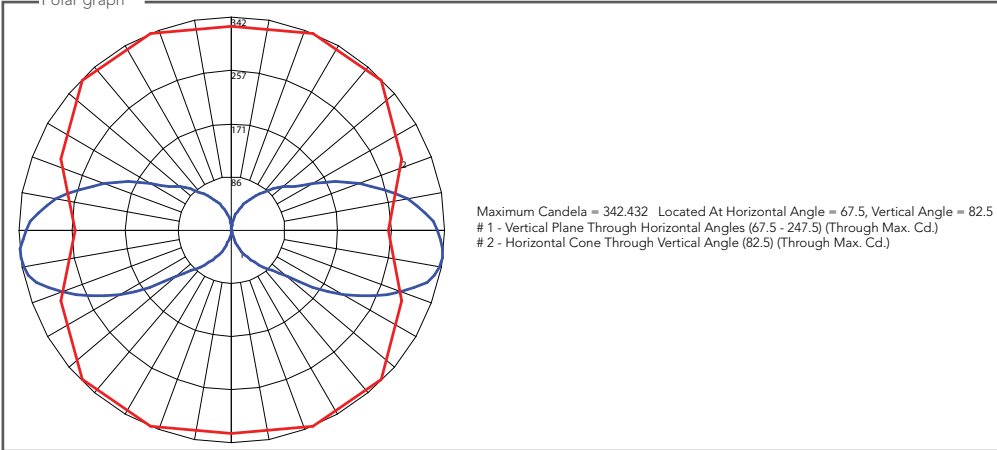
Characteristics

IES Classification:	Type VS
Longitudinal Classification:	Very Long
Lumens Per Lamp:	N.A. (absolute)
Total Lamp Lumens:	N.A. (absolute)
Luminaire Lumens:	2112
Downward Total Efficiency:	N.A. (absolute)
Total Luminaire Efficiency:	N.A. (absolute)
Luminaire Efficacy Rating (LER):	73
Total Luminaire Watts:	28.97
Ballast Factor:	1.00
Upward Waste Light Ratio:	0.46
Maximum Candela:	342.432
Maximum Candela Angle:	67.5H 82.5V
Maximum Candela (<90 Degrees Vertical):	342.432
Maximum Candela Angle (<90 Degrees Vertical):	67.5H 82.5V
Maximum Candela At 90 Degrees Vertical:	330.739 (15.7% Lamp Lumens)
Maximum Candela from 80 to <90 Degrees Vertical:	342.432 (16.2% Lamp Lumens)
Cutoff Classification (deprecated):	N.A. (absolute)

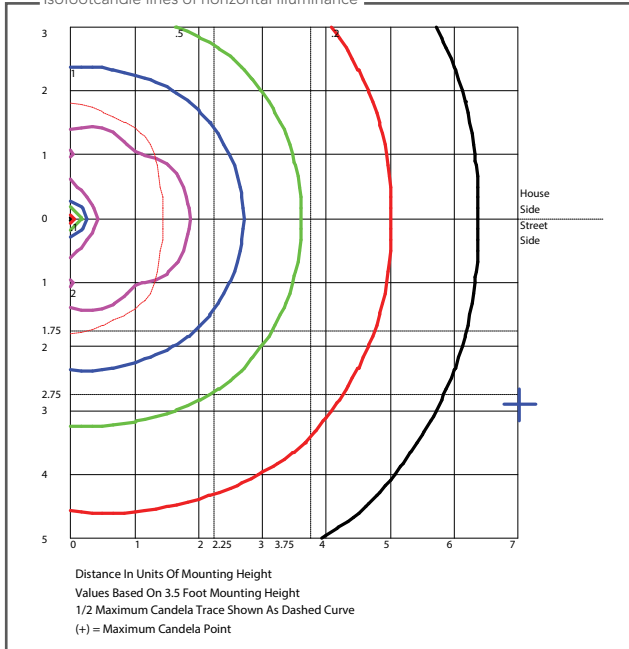
Luminaire classification system

BUG RATING	B1 - U4 - G2		
	LUMENS	% LAMP	% LUMINAIRE
FRONT LIGHT			
LOW(0-30):	10.8	N.A.	0.5
MEDIUM(30-60):	118.3	N.A.	5.6
HIGH(60-80):	270.2	N.A.	12.8
VERY HIGH(80-90):	171.5	N.A.	8.1
BACK LIGHT			
LOW(0-30):	10.8	N.A.	0.5
MEDIUM(30-60):	118.3	N.A.	5.6
HIGH(60-80):	270.2	N.A.	12.8
VERY HIGH(80-90):	171.5	N.A.	8.1
UP LIGHT			
LOW(90-100):	316.2	N.A.	15.0
HIGH(100-180):	654.1	N.A.	31.0
TOTAL	2111.9	N.A.	100.0

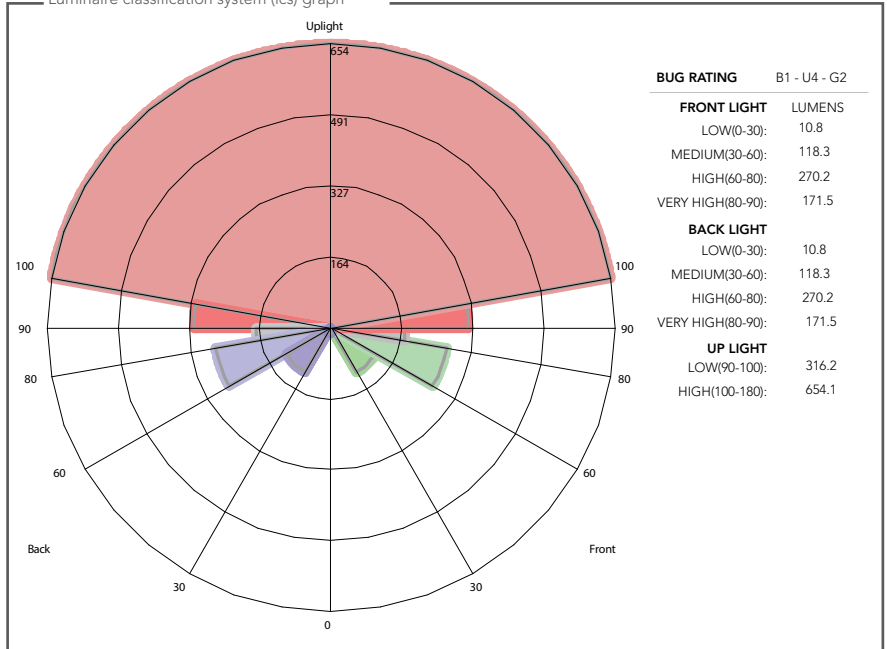
Polar graph



Isofootcandle lines of horizontal illuminance



Luminaire classification system (lcs) graph



PHOTOMETRICS

40W - 4000K Horizontal clear

TEST DATE	8Feb17
SERIES	T885LED
LOUVER	HC
LUMENS	3117
WATTS	43.35

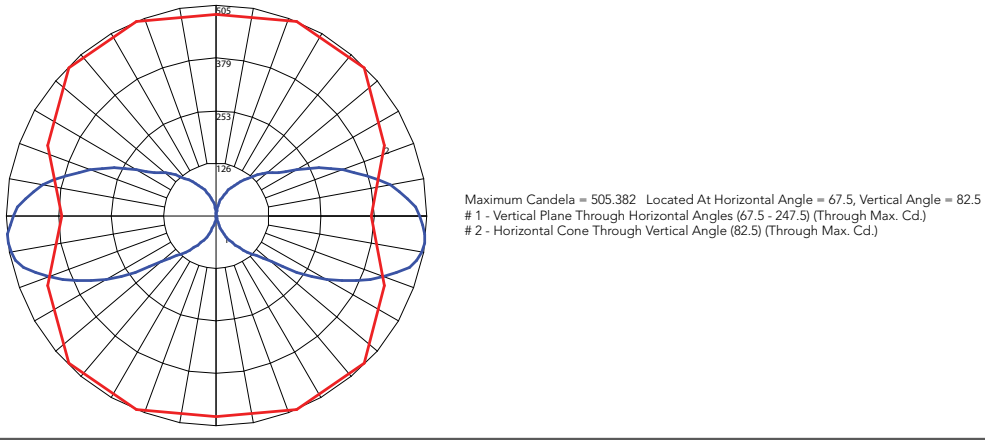
Characteristics

IES Classification:	Type VS
Longitudinal Classification:	Very Long
Lumens Per Lamp:	N.A. (absolute)
Total Lamp Lumens:	N.A. (absolute)
Luminaire Lumens:	3117
Downward Total Efficiency:	N.A. (absolute)
Total Luminaire Efficiency:	N.A. (absolute)
Luminaire Efficacy Rating (LER):	72
Total Luminaire Watts:	43.35
Ballast Factor:	1.00
Upward Waste Light Ratio:	0.46
Maximum Candela:	505.382
Maximum Candela Angle:	67.5H 82.5V
Maximum Candela (<90 Degrees Vertical):	505.382
Maximum Candela Angle (<90 Degrees Vertical):	67.5H 82.5V
Maximum Candela At 90 Degrees Vertical:	488.125 (15.7% Lamp Lumens)
Maximum Candela from 80 to <90 Degrees Vertical:	505.382 (16.2% Lamp Lumens)
Cutoff Classification (deprecated):	N.A. (absolute)

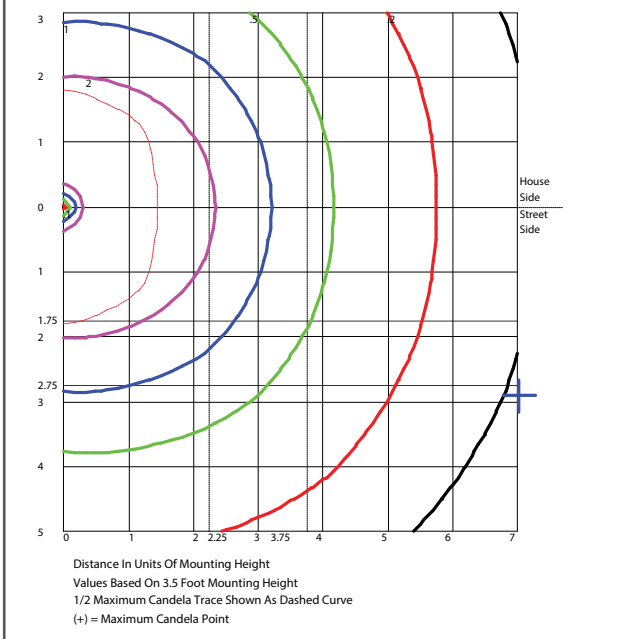
Luminaire classification system

BUG RATING	B1 - U4 - G3		
	LUMENS	% LAMP	% LUMINAIRE
FRONT LIGHT			
LOW(0-30):	15.9	N.A.	0.5
MEDIUM(30-60):	174.6	N.A.	5.6
HIGH(60-80):	398.7	N.A.	12.8
VERY HIGH(80-90):	253.1	N.A.	8.1
BACK LIGHT			
LOW(0-30):	15.9	N.A.	0.5
MEDIUM(30-60):	174.6	N.A.	5.6
HIGH(60-80):	398.7	N.A.	12.8
VERY HIGH(80-90):	253.1	N.A.	8.1
UP LIGHT			
LOW(90-100):	253.1	N.A.	15.0
HIGH(100-180):	466.6	N.A.	31.0
TOTAL	3116.6	N.A.	100.0

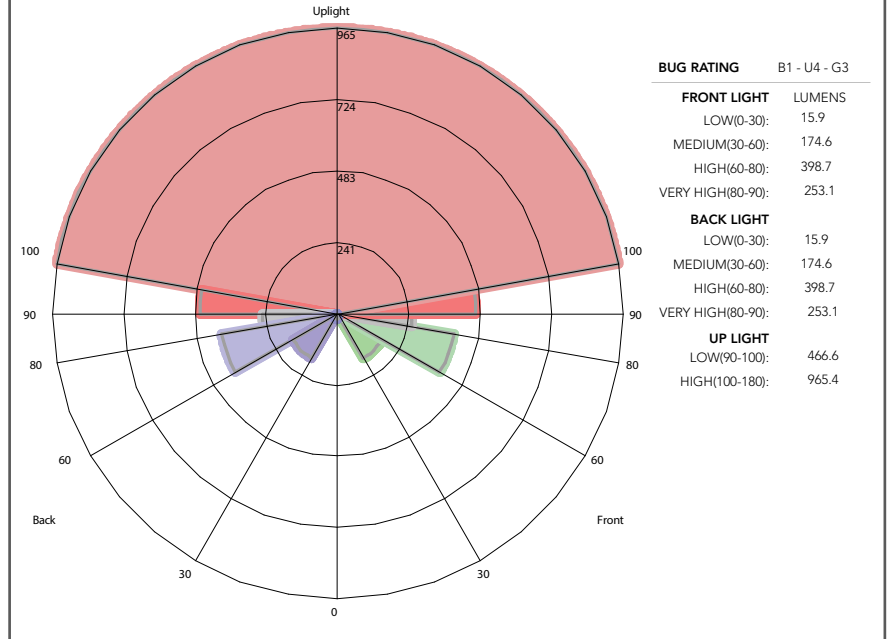
Polar graph



Isofootcandle lines of horizontal illuminance



Luminaire classification system (lcs) graph





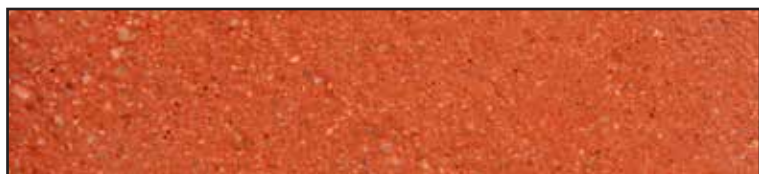
Warm Beige



Dusty Green



Golden Buff



Pottery



F37 Amber Beige



Black



White



Natural