

SPEC SHEET



# CARA

## LED Area, Wall & Flood Light

1

### Mounting Options:

Arm-mount, easy-hang wall bracket mount, slip fitter mount, knuckle mounting and more options.

2

### Optics & Lens Options:

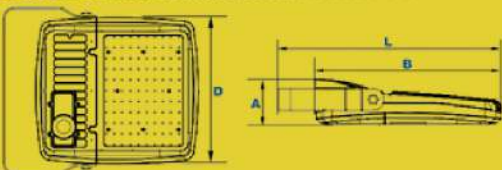
Standard or 30° narrow beam optics to provide the light you need where you want it  
Standard clear flat glass lens or opal diffuser lens

3

### Premium Build:

EXTREME-LIFE L70 @ 320,000 hours, IP66 against water jets for maximum life, durability, and years of virtually maintenance-free performance

highlights



### Dimensions

Width (D)	13 3/4" (340mm)
Length (B)	15" (381mm)
Height (A)	3 1/4" (92mm)

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## CARA FEATURES

<b>System Watts</b>	22w-256w
<b>Light Source</b>	Alumnium Boards
<b>Kelvin</b>	3000K, 4000K, 5000K, 590nm Amber, FWC Certified
<b>Available Finishes</b>	Bronze, Custom RAL
<b>Finish</b>	Durable corrosion resistant polyester powder coat paint
<b>Optic</b>	Type I, II, III, IV, V, I (narrow beam)
<b>Efficiency</b>	Up to 131 LPW
<b>Listings</b>	IP66 rated
<b>Product Family</b>	CARA
<b>Rated Life</b>	L70 @ 320,000 hours
<b>Voltage</b>	277-480V
<b>Warranty</b>	5-Year Limited Warranty
<b>Mounting Options</b>	Mounts Arm, Adjustable Slipfitter, 2 <sup>3</sup> / <sub>8</sub> " Diameter Mounting Arm Adapter, Yoke, Two-Piece Bracket or Easy Hang Wall Bracket (Factory Installed)
<b>Housing</b>	Die-cast aluminum housing
<b>Photocell</b>	Photocell Adaptable
<b>Lens</b>	Tempered Clear Flat Lens / Opal Diffuser Lens

### OPTIONS

- 590nm Amber
- FWC certified
- Motion sensor
- Photocell adaptable
- Opal diffuser lens
- Prismatic diffuser lens
- Narrow beam (30°)
- Wire guard
- Glare shield
- 90 minute backup battery
- Surge protector





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## CARA PHOTOMETRIC DATA

Input Watts	Optics	5000 CCT 80 CRI					4000 CCT 80 CRI					3000 CCT 80 CRI				
		Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
68	C Type III	7,089	105	2	0	2	6,823	101	2	0	2	-	-	-	-	-
	D Type VI	-	-	-	-	-	-	-	-	-	-	6,158	73	1	0	2
	F Type V	6,762	100	2	0	0	6,508	96	2	0	0	-	-	-	-	-
84	A Type I	10,503	125	3	0	2	10,109	120	3	0	1	-	-	-	-	-
	B Type II	10,019	119	2	0	2	9,644	115	2	0	2	9,268	110	2	0	2
	C Type III	11,007	131	2	0	2	10,594	126	2	0	2	10,181	121	2	0	2
	D Type IV	10,338	123	1	0	2	9,950	118	1	0	2	9,563	114	1	0	2
	F Type V	10,499	125	3	0	1	10,106	120	3	0	1	9,712	115	3	0	1
121	A Type I	15,214	126	3	0	2	14,644	121	3	0	2	-	-	-	-	-
	B Type II	14,514	120	2	0	2	13,970	115	2	0	2	-	-	-	-	-
	C Type III	15,944	132	3	0	3	15,346	127	3	0	3	14,748	122	3	0	3
	D Type IV	14,039	116	2	0	3	13,513	112	2	0	3	12,986	107	2	0	3
	F Type V	15,209	126	3	0	1	13,637	113	3	0	1	13,161	109	3	0	1





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## CARA PHOTOMETRIC PERFORMANCE

Optic	CCT	Optimized					Optimized			
		99W (1X99)	111W (1X111)	133W (1X133)	136W (1X136)	167W (1X167)	183W (1X183)	199W (1X199)	225W (1X225)	256W (1X256)
Input Watts		104.8	116.5	139.5	148.1	178.8	193.7	210.6	241.1	271.2
Delivered Lumens										
<b>A = Type I</b> (130"H x 70"V)	3000K	-	-	-	-	-	-	-	-	-
	4000K	12,831	14,386	17,237	-	21,644	23,717	25,791	-	33,178
	5000K	13,331	14,946	17,909	-	22,487	24,641	26,796	-	34,471
	BUG Rating	B3-U0-G2	B3-U0-G2	B4-U0-G2	-	B4-U0-G3	B4-U0-G3	B4-U0-G3	-	B5-U0-G3
<b>B = Type II</b> (110"H x 30"V)	3000K	-	-	-	-	-	-	-	-	-
	4000K	12,240	13,724	16,444	-	20,648	22,626	24,604	-	31,651
	5000K	12,717	14,259	17,084	-	21,452	23,507	25,563	-	32,884
	BUG Rating	B2-U0-G2	B2-U0-G2	B3-U0-G2	-	B3-U0-G3	B3-U0-G3	B3-U0-G3	-	B3-U0-G3
<b>C = Type III</b> (120"H x 70"V)	3000K	12,922	14,489	17,360	-	21,798	23,887	25,975	-	33,416
	4000K	13,446	15,076	18,064	21,166	22,682	24,855	27,028	34,305	34,770
	5000K	13,970	15,664	18,768	21,990	23,566	25,824	28,082	35,641	36,125
	BUG Rating	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G4
<b>Front Rotated RIGHT or LEFT</b>	3000K	-	-	-	-	-	-	-	-	-
	4000K	-	-	-	-	-	-	-	-	-
	5000K	-	-	-	-	-	-	-	36,387	36,926
	BUG Rating	-	-	-	-	-	-	-	B5-U1-G5	B5-U1-G5
<b>D = Type IV</b> (110"H x 50"V)	3000K	-	-	-	-	-	-	-	-	-
	4000K	13,629	15,282	18,312	21,455	22,992	23,545	25,604	34,775	32,937
	5000K	14,160	15,877	19,024	22,291	23,888	24,462	26,601	36,128	34,221
	BUG Rating	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5
<b>Front Rotated RIGHT or LEFT</b>	3000K	-	-	-	-	-	-	-	-	-
	4000K	-	-	-	-	-	-	-	-	-
	5000K	-	-	-	-	-	-	-	33,047	33,537
	BUG Rating	-	-	-	-	-	-	-	B5-U1-G5	B5-U1-G5
<b>F = Type V</b> (115"H x 110"V)	3000K	12,327	13,821	16,560	-	20,793	22,785	24,778	-	31,875
	4000K	12,826	14,381	17,231	20,190	21,636	23,709	25,782	32,723	33,167
	5000K	13,326	14,941	17,903	20,976	22,479	24,633	26,787	33,998	34,459
	BUG Rating	B3-U0-G1	B3-U0-G1	B4-U0-G2	B4-U0-G1	B4-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G2
<b>I = Narrow Beam</b> (30"H x 30"V)	3000K	-	-	-	-	-	-	-	-	-
	4000K	-	-	-	-	-	-	-	-	-
	5000K	14,320	16,059	19,238	-	24,160	26,475	28,791	-	37,035
	BUG Rating	N/A	N/A	N/A	-	N/A	N/A	N/A	-	N/A





## CARA PHOTOMETRIC DATA

### Auto Dealership Front Line Rotated Optics

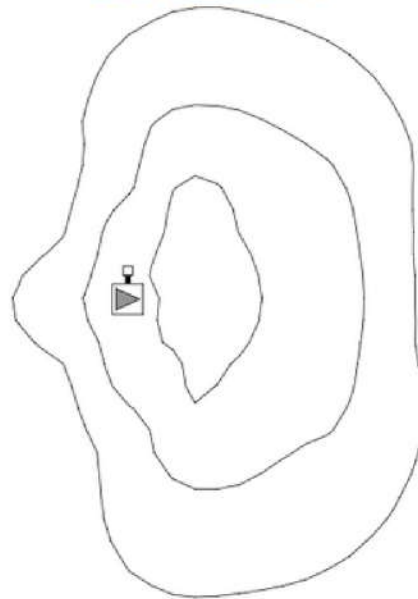
(Factory Configured Mounting Option)

Optic Rotated RIGHT



"D" = Type IV  
Mounting RD

Optic Rotated LEFT



"D" = Type IV  
Mounting LD



"C" = Type III  
Mounting RD



"C" = Type III  
Mounting LD



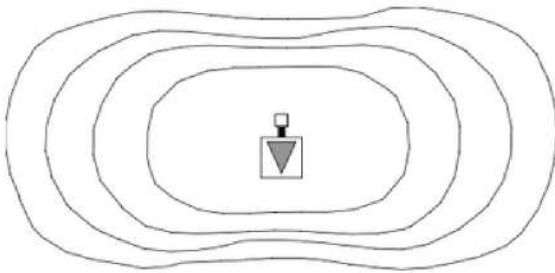


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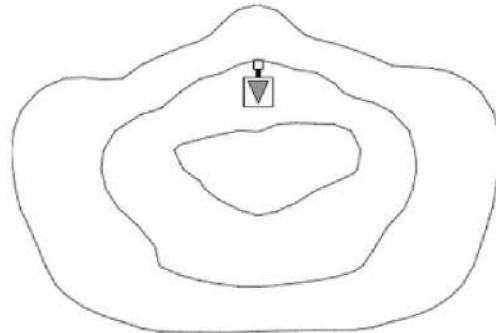
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## CARA PHOTOMETRIC DATA

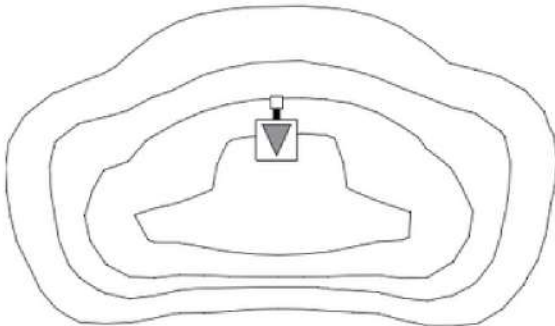
### IES Roadway Distribution Optics



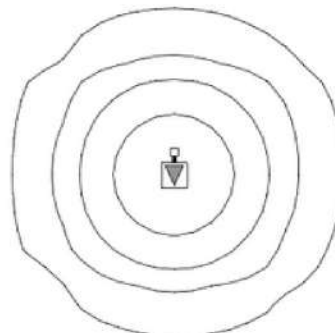
"A" = Type I



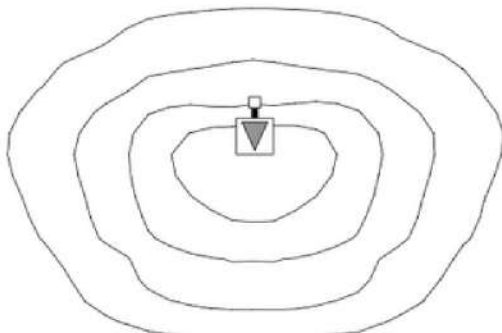
"D" = Type IV



"B" = Type II



"F" = Type V



"C" = Type III

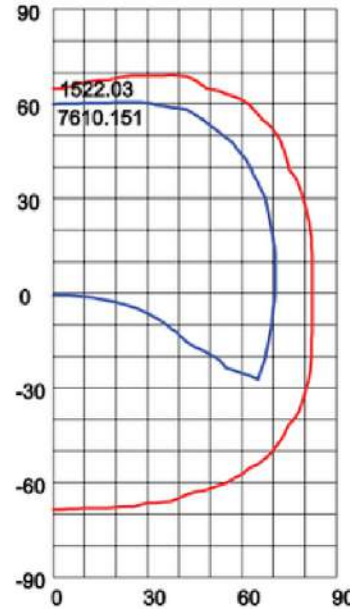
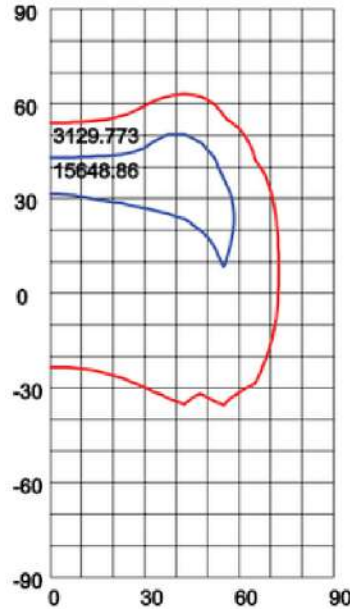
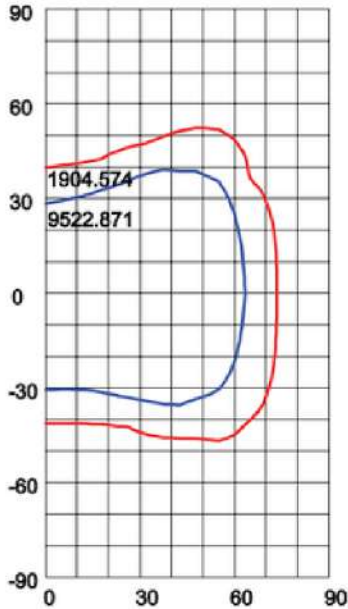




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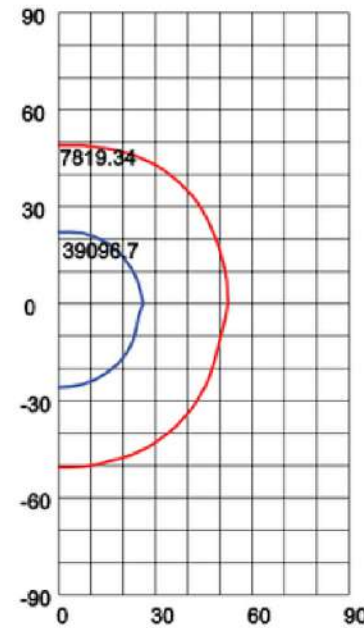
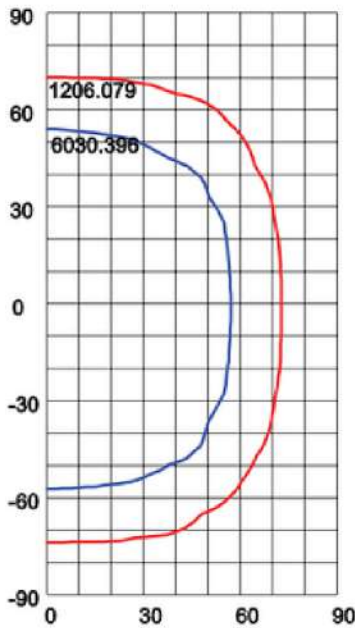
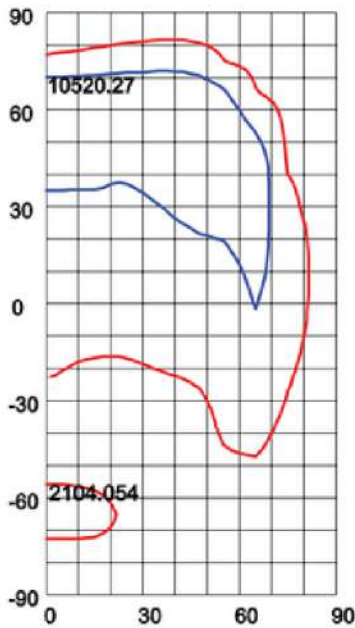
## CARA PHOTOMETRIC DATA



256W Max. Candela = 34,471

256W Max. Candela = 32,884

256W Max. Candela = 36,926



256W Max. Candela = 34,221

256W Max. Candela = 34,459

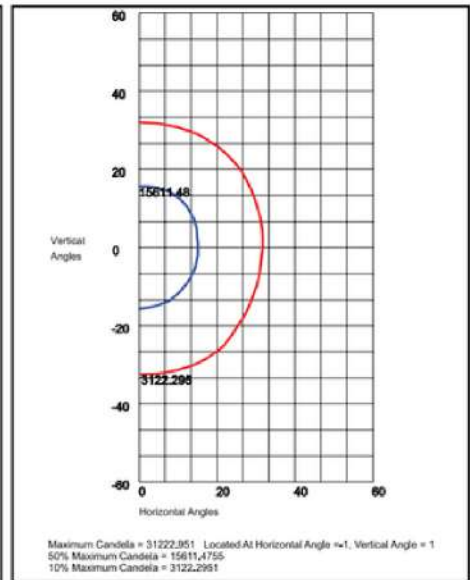
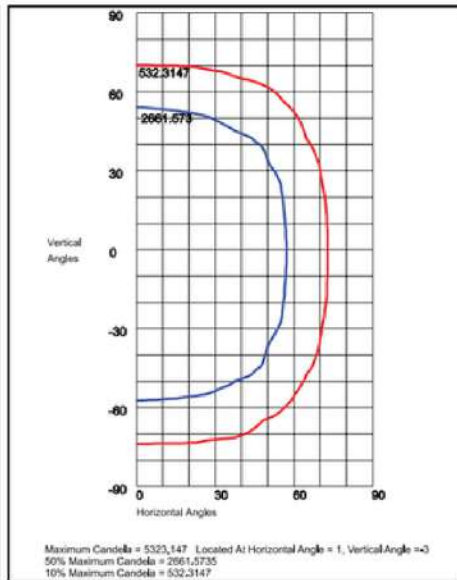
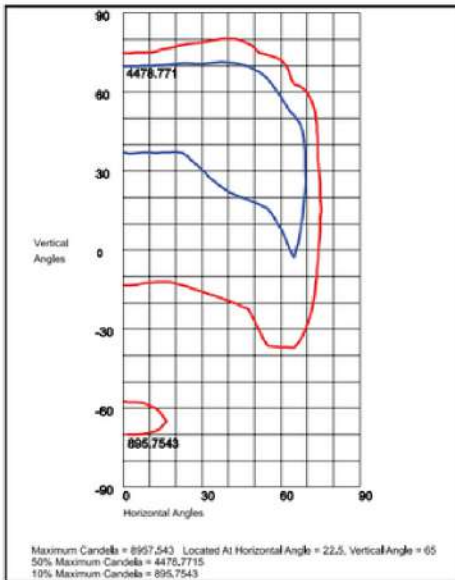
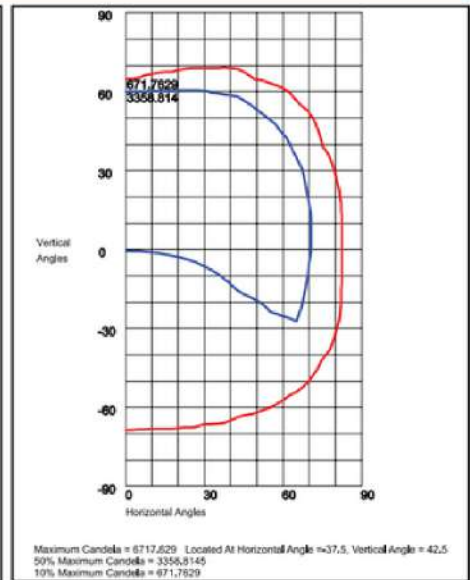
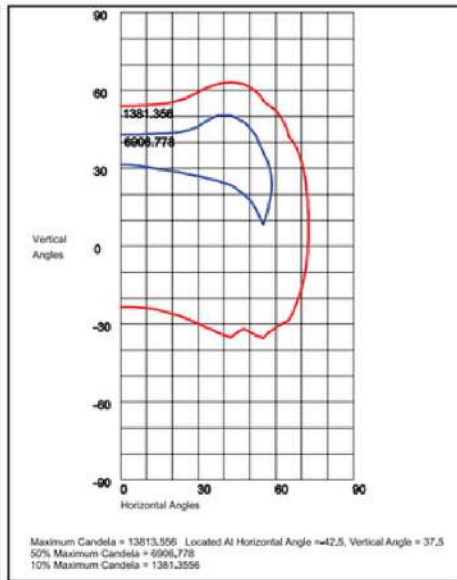
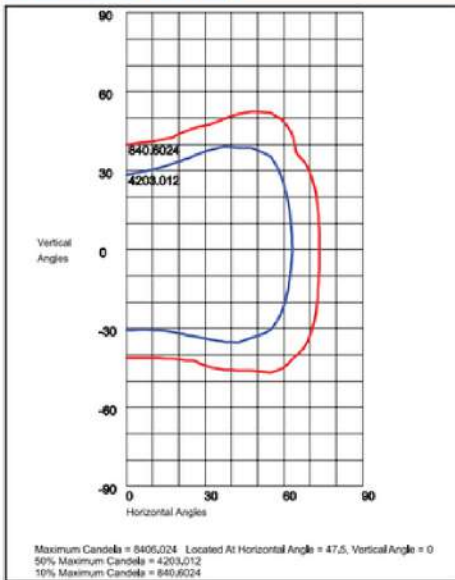
256W Max. Candela = 37,035





# CARA PHOTOMETRIC DATA

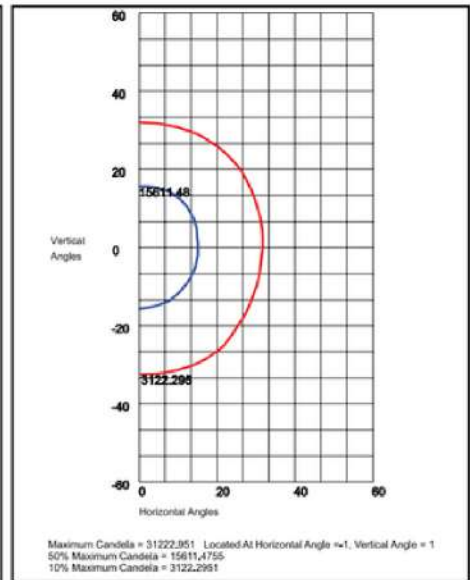
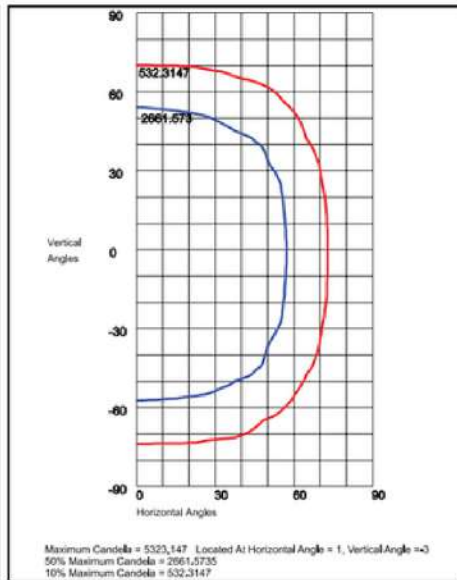
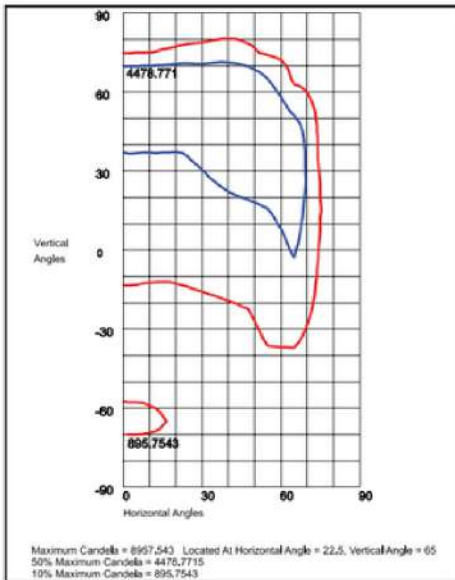
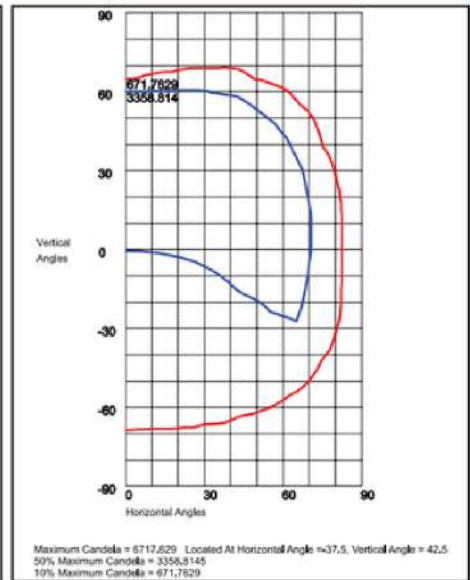
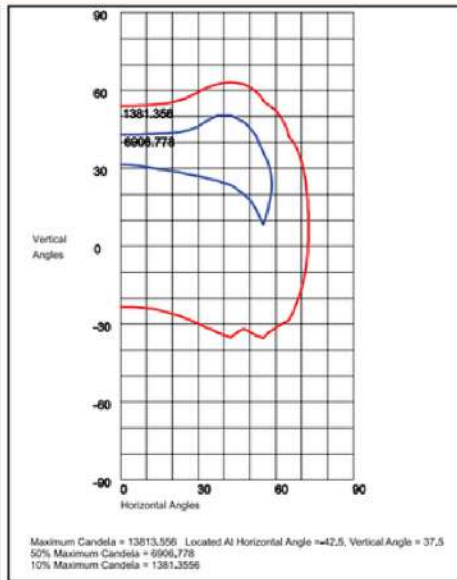
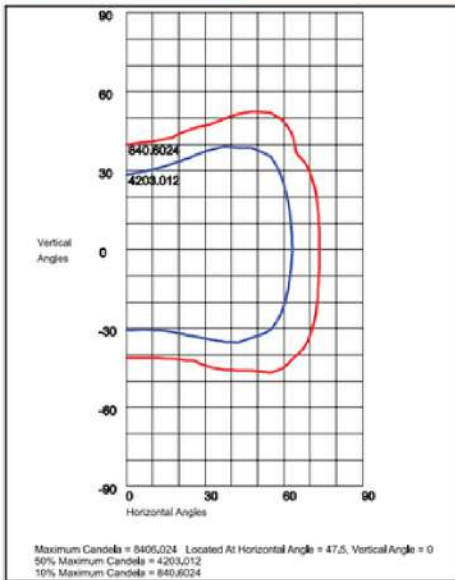
### Photometric Data





# CARA PHOTOMETRIC DATA

### Photometric Data



# Ordering Information

## Example: AF33XKH45Q-D-1X99-H-5K-C-Z-WMR7

Model	Optics/Beam	Wattage	Driver	CCT	Lens	Color	Mounting	Options
AF33XKH45Q	<b>A</b> =Type I <b>B</b> =Type II <b>C</b> =Type III <b>D</b> =Type IV <b>F</b> =Type V <b>I</b> =Narrow Beam*  <b>*5K models only</b>	<b>1x99</b> = 99w* <b>1x111</b> = 111w <b>1x133</b> = 133w  <b>OPTIMIZED</b> <b>1x167</b> = 167w <b>1x183</b> = 183w <b>1x199</b> = 199w  <b>OPTIMIZED</b> <b>1x256w</b> = 256w	<b>U</b> = 120-277v <b>H</b> = 347-480v*	<b>3K</b> = 3000K* <b>4K</b> = 4000K <b>5K</b> = 5000K  <b>*C &amp; F optics only</b> <b>Not available in 136w &amp; 225w</b>	<b>C</b> = Standard Clear Flat Glass Lens  <b>S</b> = SoftLED Flat Glass Lens*  <b>*Type V optic only</b>	<b>Z</b> = Bronze <b>C</b> = Custom	<b>SF</b> = Slipfitter <b>MA</b> = Mounting arm adaptor <b>Y</b> = Yoke <b>BR</b> = Two piece swivel bracket <b>WM</b> = Wall mount bracket <b>NM</b> = No Mount	<b>SF</b> = Single Fuse* <b>DF</b> = Double Fuse* <b>SP</b> = Surge Protection <b>M1</b> = Motion Sensor for heights of 20-35ft. <b>M2</b> = Motion Sensor for heights <18ft. <b>R3</b> = 3-Pin Twist Lock Photocell <b>R5</b> = 5-Pin Twist Lock Photocell <b>R7</b> = 7-Pin Twist Lock Photocell <b>S23</b> = Microwave Sensor with dimming for mounting heights <25ft. <b>*S43</b> = Microwave On/Off Motion Sensor for Mounting Heights of 8-19ft.*

