

**“VINCO” LED STREET LIGHT (Model: SLCVW2)**
**FEATURES:**

- High Efficiency (110 lumens/W)
- Wide Input Voltage Range (90-305VAC) for protection against voltage fluctuation
- 10kV surge protection for protection against transient voltage
- Epistar Chips
- 40,000 hours design life

**SPECIFICATIONS:**

Model	SLCVW2-600	SLCVW2-800	SLCVW2-1000	SLCVW2-1200
System Power	60W	80W	100W	120W
LED Chips/Packages	Epistar			
Color Temperature (CCT)	3000K, 4000K, 6000K (standard model)			
CRI	75			
Luminous Flux (lumens)	6600	8800	11000	13200
Luminous Efficacy	110 lumens / W			
Input Voltage	90-305VAC			
Power Factor	>0.95			
Power Supply Efficiency	90%			
Surge Protection	6kV (Line-Line); 10kV (Line-Earth)			
Beam Angle	120°, 60X130°			
Design Life	40,000 hours			
Housing Color	Grey			
Housing Material	Diecast Aluminum			
Lens Material	Polycarbonate			
Product Dimension (mm)	550x315x175	550x315x175	630x290x 175	630x290x 175
Net Weight (kg)	6.6	6.6	7.0	7.0
Ingress Protection	IP65			

**REVISION:** 6

**Date:** 2017.07.26

**Title:** CLARO “VINCO” LED STREET LIGHT

**Model:** SLCV series

**SHEET No:** 1 of 4

**Version:** 4.0

## “VINCO” LED STREET LIGHT (Model: SLCVW2)

### PRODUCT PHOTOS:



60W, 80W

100W, 120W

### ORDERING INFORMATION: e.g., SLRVW2-100060N

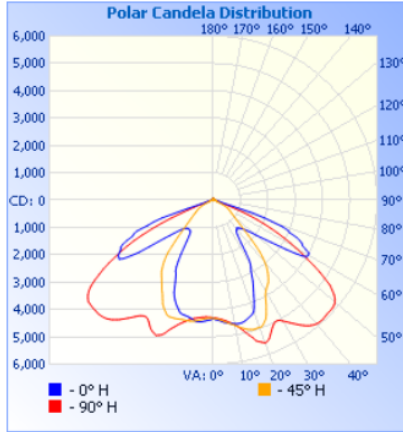
Series		Wattage		Color Temperature (CCT)		Dimming
<b>SLRV2</b>	<b>VINCO</b>	600	60W	30	3000K	<b>N Non-dimmable</b>
SLRF	FORTIS	800	80W	40	4000K	D Dimmable
SLRO	OPTIMA	<b>1000</b>	<b>100W</b>	<b>60</b>	<b>6000K</b>	
		1200	120W			

## “VINCO” LED STREET LIGHT (Model: SLCVW2)

### PHOTOMETRIC TEST REPORT: 120W (60x130° BEAM ANGLE)

**Filename: CLARO VINCO STREET LIGHT 120W 60x130 DEG**

Manufacturer: Claro Research (Shenzhen) CO.,LTD  
 Luminaire: SLCVW2-120060N  
 Lamp: LED  
 Lamp Cat: SLCVW2-120060N  
 Lamp Output: 1 lamp, rated Lumens/lamp: 12333.4  
 Max Candela: 5,923.5 at Horizontal: 90°, Vertical: 42°  
 Input Wattage: 109.5  
 Luminous Opening: Rectangle w/Luminous Sides (L: 0.34M, W: 0.07M, H: 0.04M)  
 Photometry : Type C  
 Nema Type: 7 X 6



**Roadway Summary**

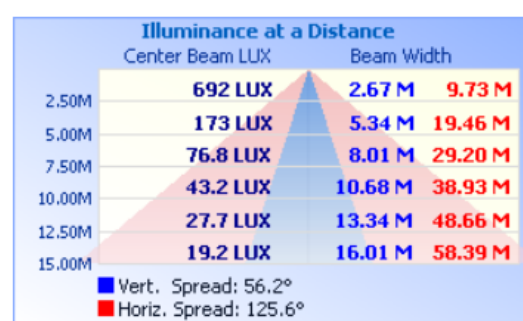
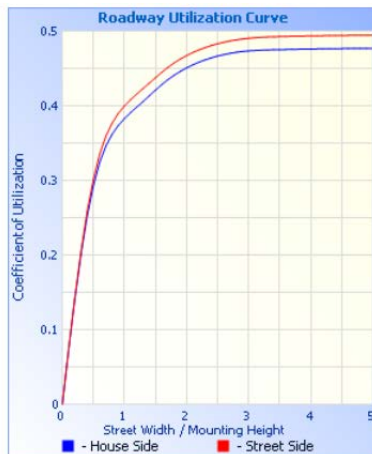
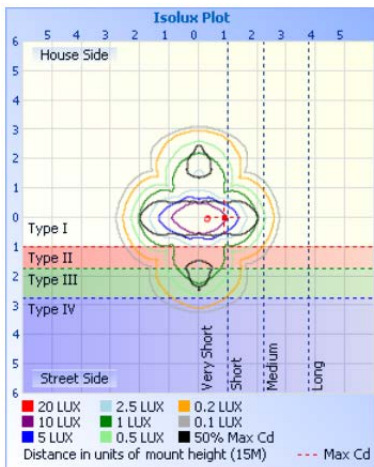
Cutoff Classification:	CUTOFF
Distribution:	TYPE III, VERY SHORT
Max Cd, 90 Deg Vert:	69.0
Max Cd, 80 to <90 Deg:	133.8
	Lumens % Lamp
Downward Street Side:	6,102.3 49.5%
Downward House Side:	6,001.4 48.7%
Downward Total:	12,103.7 98.1%
Upward Street Side:	115.3 0.9%
Upward House Side:	114.4 0.9%
Upward Total:	229.7 1.9%
<b>Total Lumens:</b>	<b>12,333.4 100%</b>

**Zonal Lumen Summary**

Zone	Lumens	% Lamp	% Luminaire
0-30	3,733.5	30.3%	30.3%
0-40	5,869.5	47.6%	47.6%
0-60	10,136.4	82.2%	82.2%
60-90	1,966.0	15.9%	15.9%
70-100	422.9	3.4%	3.4%
90-120	103.3	0.8%	0.8%
0-90	12,102.3	98.1%	98.1%
90-180	229.7	1.9%	1.9%
0-180	12,332.0	100%	100%

**Lumens Per Zone**

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	424.2	3.4%	90-100	38.1	0.3%
10-20	1,325.9	10.8%	100-110	32.2	0.3%
20-30	1,983.5	16.1%	110-120	32.9	0.3%
30-40	2,136.0	17.3%	120-130	32.3	0.3%
40-50	2,077.5	16.8%	130-140	29.8	0.2%
50-60	2,189.3	17.8%	140-150	25.9	0.2%
60-70	1,581.2	12.8%	150-160	20.5	0.2%
70-80	295.0	2.4%	160-170	13.3	0.1%
80-90	89.8	0.7%	170-180	4.6	0%



## “VINCO” LED STREET LIGHT (Model: SLCVW2)

### PHOTOMETRIC TEST REPORT: 120W (120° BEAM ANGLE)

**Filename:** CLARO VINCO STREET LIGHT 120W 90 DEG

**Manufacturer:** SHENZHEN RISIP LIGHTING TECH.CO.LTD

**Luminaire:** LED Street lamp SLS-120

**Luminaire Cat:** Led Street lamp

**Lamp:** LED

**Lamp Cat:** LED

**Lamp Output:** 1 lamp, rated Lumens/lamp: 13077.1

**Max Candela:** 5,175.8 at Horizontal: 180°, Vertical: 1°

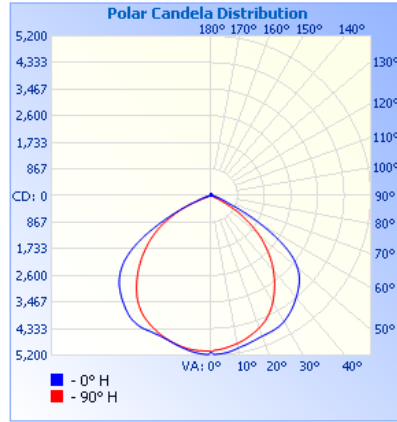
**Input Wattage:** 117.9

**Luminous Opening:** Rectangle w/Luminous Sides (L: 0.78M, W: 0.3M, H: 0.04M)

**Test Lab:** IES

**Photometry:** Type C

**Nema Type:** 7 X 7



#### Roadway Summary

**Cutoff Classification:** CUTOFF

**Distribution:** TYPE II, VERY SHORT

**Max Cd, 90 Deg Vert:** 48.9

**Max Cd, 80 to <90 Deg:** 122.0

**Lumens % Lamp**

**Downward Street Side:** 6,341.0 48.5%

**Downward House Side:** 6,556.1 50.1%

**Downward Total:** 12,897.2 98.6%

**Upward Street Side:** 91.3 0.7%

**Upward House Side:** 88.7 0.7%

**Upward Total:** 180.0 1.4%

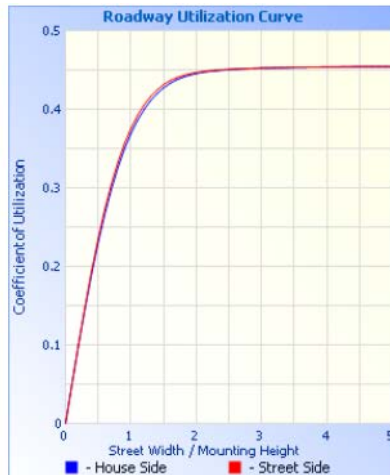
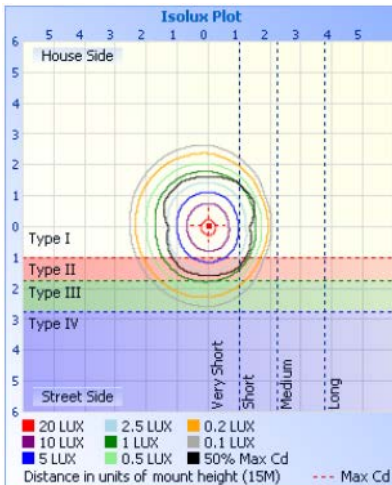
**Total Lumens:** 13,077.1 100%

#### Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	3,987.7	30.5%	30.5%
0-40	6,666.8	51%	51%
0-60	11,808.3	90.3%	90.3%
60-90	1,087.0	8.3%	8.3%
70-100	220.6	1.7%	1.7%
90-120	72.2	0.6%	0.6%
0-90	12,895.3	98.6%	98.6%
90-180	179.9	1.4%	1.4%
0-180	13,075.3	100%	100%

#### Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	479.6	3.7%	90-100	22.9	0.2%
10-20	1,373.2	10.5%	100-110	23.5	0.2%
20-30	2,134.9	16.3%	110-120	25.8	0.2%
30-40	2,679.1	20.5%	120-130	26.1	0.2%
40-50	2,833.2	21.7%	130-140	24.7	0.2%
50-60	2,308.3	17.7%	140-150	22.0	0.2%
60-70	889.3	6.8%	150-160	18.2	0.1%
70-80	148.0	1.1%	160-170	12.3	0.1%
80-90	49.7	0.4%	170-180	4.4	0%



Distance	Illuminance at a Distance	
	Center Beam LUX	Beam Width
2.50M	815 LUX	7.92 M 5.84 M
5.00M	204 LUX	15.84 M 11.69 M
7.50M	90.5 LUX	23.77 M 17.54 M
10.00M	50.9 LUX	31.69 M 23.38 M
12.50M	32.6 LUX	39.61 M 29.23 M
15.00M	22.6 LUX	47.53 M 35.07 M

■ Vert. Spread: 115.5°  
■ Horiz. Spread: 98.9°

**REVISION:** 6

**Date:** 2017.07.26

**Title:** CLARO “VINCO” LED STREET LIGHT

**Model:** SLCV series

**SHEET No:** 4 of 4

**Version:** 4.0