

# Photometrics Pro

## Luminaire Photometric Report

**Filename:** CD772

**Manufacturer:** COMPUCHARGE INC. MONTREAL, QUEBEC

**Luminaire:** COMPUCHARGE DROP-LENS COBRA-HEAD LUMINAIRE WITH SEMI-SPECULAR REFLECTOR AND BOROSILLICATE GLASS REFRACTOR

**Luminaire Cat:** CBL-2MS-100W-HPS

**Lamp:** ONE 100W CLEAR ED23.5 HPS LAMP. LUMEN RATING = 9500 LMS.

**Ballast Desc:** COMPUCHARGE 120V HPS ELECTRONIC BALLAST

**Ballast Cat:** CBS54100U

**Lamp Output:** 1 lamp(s), rated Lumens/lamp: 9500

**Max Candela:** 4,762.0 at Horizontal: 77.5°, Vertical: 70°

**Input Wattage:** 93.4

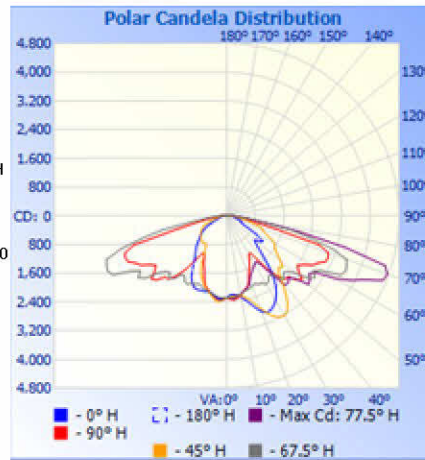
**Luminous Opening:** Point

**Test:** LSCD772

**Test Lab:** Lighting Sciences Canada Ltd. 160 Frobisher Drive, Unit 5 Waterloo, Ontario

**Photometry :** Type C

**CIE Class:** Direct



### Roadway Summary

Cutoff Classification:	SEMICUTOFF	
Distribution:	TYPE II, MEDIUM	
Max Cd, 90 Deg Vert:	195.0	
Max Cd, 80 to <90 Deg:	1,120.0	
	Lumens	% Lamp
Downward Street Side:	5,235.4	55.1%
Downward House Side:	3,012.5	31.7%
Downward Total:	8,247.9	86.8%
Upward Street Side:	80.9	0.9%
Upward House Side:	66.7	0.7%
Upward Total:	147.6	1.6%
<b>Total Lumens:</b>	<b>8,395.5</b>	<b>88.4%</b>

### Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	1,842.2	19.4%	21.9%
0-40	2,986.2	31.4%	35.6%
0-60	5,622.0	59.2%	67%
60-90	2,624.8	27.6%	31.3%
0-90	8,246.8	86.8%	98.2%
90-180	147.6	1.6%	1.8%
0-180	8,394.4	88.4%	100%
<b>Efficiency Total:</b>	<b>88.4%</b>		

### Flood Summary

	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	82.8%	7,865.9	162	129
Beam (50%):	31.5%	2,988.1	31.2	66.2
<b>Total:</b>	<b>88.3%</b>	<b>8,393.1</b>		

### Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	218.9	2.6%	90-100	89.8	1.1%
10-20	637.6	7.6%	100-110	42.3	0.5%
20-30	985.6	11.7%	110-120	13.9	0.2%
30-40	1,144.1	13.6%	120-130	1.6	0%
40-50	1,271.1	15.1%	130-140	0	0%
50-60	1,364.7	16.3%	140-150	0	0%
60-70	1,446.8	17.2%	150-160	0	0%
70-80	937.0	11.2%	160-170	0	0%
80-90	241.0	2.9%	170-180	0	0%

