

# Photometrics Pro

## Luminaire Photometric Report

**Filename:** HTS-8R --- C6658L

**Distributor:** LED Canada Lights

**Luminaire:** LIGHT BOARD LED

**Luminaire Cat:** C4658L PN LRP88

**Lamp:** LED

**Lamp Cat:** NA. LUMINAIRE OUTPUT = 6211.8 LMS

**Lamp Output:** 1 lamp(s), rated Lumens/lamp: 6211.8

**Max Candela:** 1,856.5 at Horizontal: 180°, Vertical: 2.5°

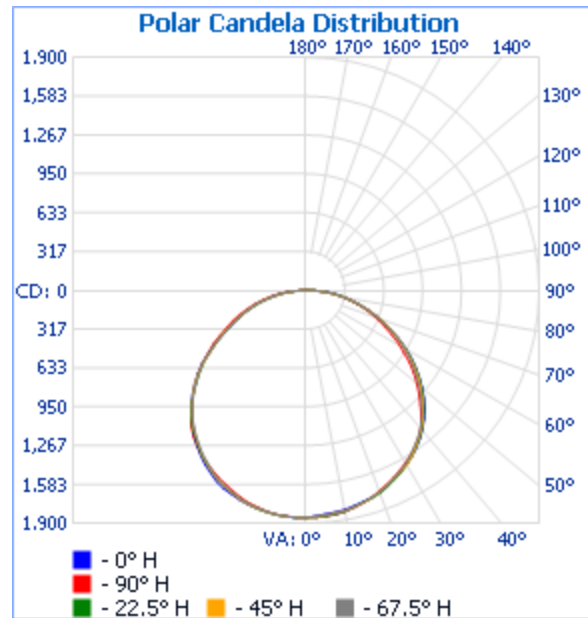
**Input Wattage:** 76.4

**Luminous Opening:** Rectangle (L: 0.25m, W: 0.18m)

**Test Lab:** Intertek

**Photometry :** Type C

**CIE Class:** Direct



### Roadway Summary

Cutoff Classification:	CUTOFF	
Distribution:	TYPE II, VERY SHORT	
Max Cd, 90 Deg Vert:	27.9	
Max Cd, 80 to <90 Deg:	309.5	
	Lumens	% Lamp
Downward Street Side:	2,912.2	46.9%
Downward House Side:	2,797.6	45%
Downward Total:	5,709.8	91.9%
Upward Street Side:	1.7	0%
Upward House Side:	0.4	0%
Upward Total:	2.2	0%
Total Lumens:	5,711.9	92%

### Zonal Lumen Summary

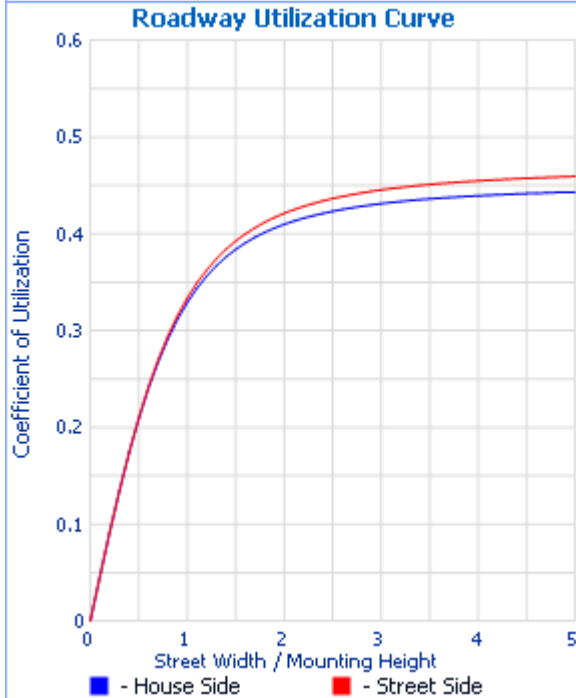
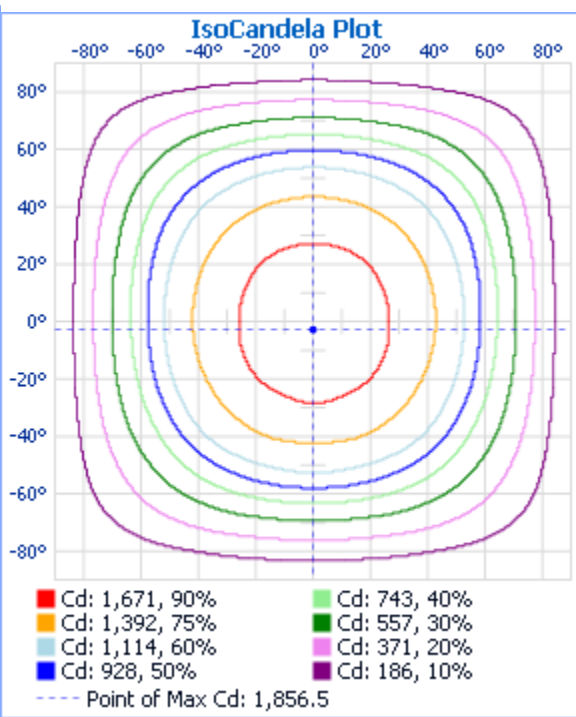
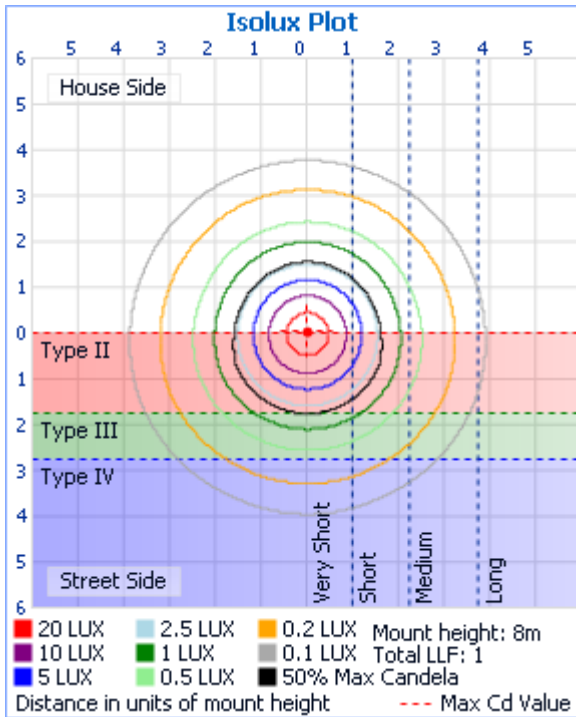
Zone	Lumens	% Lamp	% Luminaire
0-30	1,467.8	23.6%	25.7%
0-40	2,436.2	39.2%	42.7%
0-60	4,394.3	70.7%	76.9%
60-90	1,314.3	21.2%	23%
0-90	5,708.6	91.9%	100%
90-180	2.2	0%	0%
0-180	5,710.7	91.9%	100%

### Flood Summary

	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	90.8%	5,641.0	167.9	167.5
Beam (50%):	68.8%	4,274.1	116	117.7
Total:	91.9%	5,708.7		

### Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	175.9	3.1%	90-100	2.2	0%
10-20	508.3	8.9%	100-110	0	0%
20-30	783.6	13.7%	110-120	0	0%
30-40	968.4	17.0%	120-130	0	0%
40-50	1,026.1	18.0%	130-140	0	0%
50-60	932.0	16.3%	140-150	0	0%
60-70	713.4	12.5%	150-160	0	0%
70-80	448.5	7.9%	160-170	0	0%
80-90	152.3	2.7%	170-180	0	0%



### Illuminance at a Distance

	Center Beam LUX	Beam Width	
1.3m	1,042.59 LUX	4.4m	4.3m
2.7m	260.65 LUX	8.8m	8.5m
4.0m	115.84 LUX	13.2m	12.8m
5.3m	65.16 LUX	17.7m	17.1m
6.7m	41.70 LUX	22.1m	21.3m
8.0m	28.96 LUX	26.5m	25.6m

■ Vert. Spread: 117.7° ■ Horiz. Spread: 116.0°

Candela Table - Type C

	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5	360
0	1854	1854	1854	1854	1854	1854	1854	1854	1854	1854	1854	1854	1854	1854	1854	1854	1854
2.5	1843	1855	1850	1846	1854	1854	1853	1855	1856	1855	1853	1854	1854	1846	1850	1855	1843
5	1832	1850	1843	1841	1849	1853	1853	1853	1853	1853	1853	1849	1841	1843	1850	1832	
7.5	1826	1842	1833	1836	1844	1846	1847	1847	1847	1847	1847	1846	1844	1836	1833	1842	1826
10	1817	1831	1825	1828	1832	1834	1836	1839	1836	1839	1836	1834	1832	1828	1825	1831	1817
12.5	1802	1812	1812	1812	1814	1821	1824	1827	1824	1827	1824	1821	1814	1812	1812	1812	1802
15	1786	1793	1795	1791	1796	1804	1809	1809	1812	1809	1809	1804	1796	1791	1795	1793	1786
17.5	1773	1780	1776	1775	1772	1782	1789	1787	1794	1787	1789	1782	1772	1775	1776	1780	1773
20	1754	1760	1751	1750	1742	1754	1760	1761	1771	1761	1760	1754	1742	1750	1751	1760	1754
22.5	1729	1732	1724	1722	1714	1728	1734	1735	1752	1735	1734	1728	1714	1722	1724	1732	1729
25	1696	1703	1693	1690	1686	1700	1706	1705	1723	1705	1706	1700	1686	1690	1693	1703	1696
27.5	1670	1675	1669	1660	1655	1661	1667	1668	1683	1668	1667	1661	1655	1660	1669	1675	1670



165	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
167.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
170	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
172.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
175	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
177.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
180	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

**Luminaire Report Summary**

IESNA: LM-63-2002  
 [TEST]  
 [TESTLAB] Intertek  
 [ISSUEDATE] 4/23/2010  
 [DISTRIBUTOR] LED CANADA LIGHTS  
 [LUMCAT] C4658L PN LRP88  
 [LUMINAIRE] LIGHT BOARD LED  
 [LAMP] LED  
 [LAMPCAT] NA. LUMINAIRE OUTPUT = 6211.8 LMS  
 [OTHER] 24.005V, 3.1786A, 76.4W  
 FILE: CANDELA MULTIPLIER: 1  
 FILE: VERTICAL ANGLES: 73, HORIZONTAL ANGLES: 17  
 FILE: COORDINATE SYSTEM: TYPE C  
 FILE: UNIT OF MEASURE: STANDARD  
 FILE: BALLAST FACTOR: 1

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 Reported data calculated from manufacturer's data file, based on IES recommended methods.

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