

Photometrics Pro

Luminaire Photometric Report

Filename: HTS-8r COBRAHEAD --- C4658L C5006L

Distributor: LED Canada Lights

Luminaire: LED LIGHT BOARD / ROADWAY LIGHT (COBRAHEAD)

Luminaire Cat: C4658L W/C5006L PN LRP88 / RL1D8r

Lamp: LED

Lamp Cat: NA. LUMINAIRE OUTPUT: 5160 Lms.

Lamp Output: 1 lamp(s), rated Lumens/lamp: 5160

Max Candela: 1,540.1 at Horizontal: 82.5°, Vertical: 22.5°

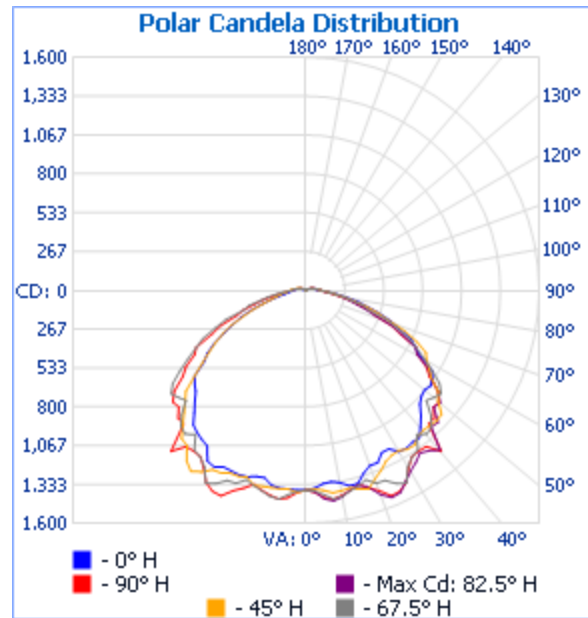
Input Wattage: 76.1

Luminous Opening: Point

Test Lab: Intertek

Photometry : Type C

CIE Class: Direct



Roadway Summary

Cutoff Classification:	CUTOFF	
Distribution:	TYPE III, VERY SHORT	
Max Cd, 90 Deg Vert:	110.0	
Max Cd, 80 to <90 Deg:	279.5	
	Lumens	% Lamp
Downward Street Side:	2,618.7	50.8%
Downward House Side:	2,382.1	46.2%
Downward Total:	5,000.8	96.9%
Upward Street Side:	79.9	1.5%
Upward House Side:	78.2	1.5%
Upward Total:	158.1	3.1%
Total Lumens:	5,158.9	100%

Zonal Lumen Summary

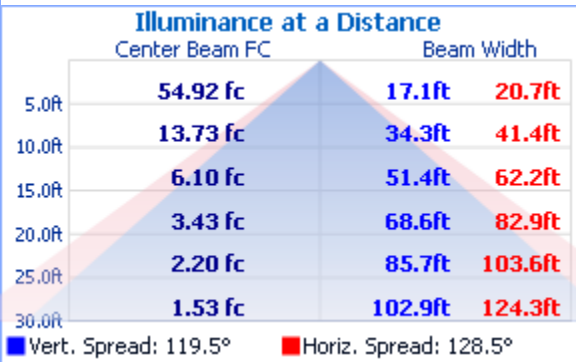
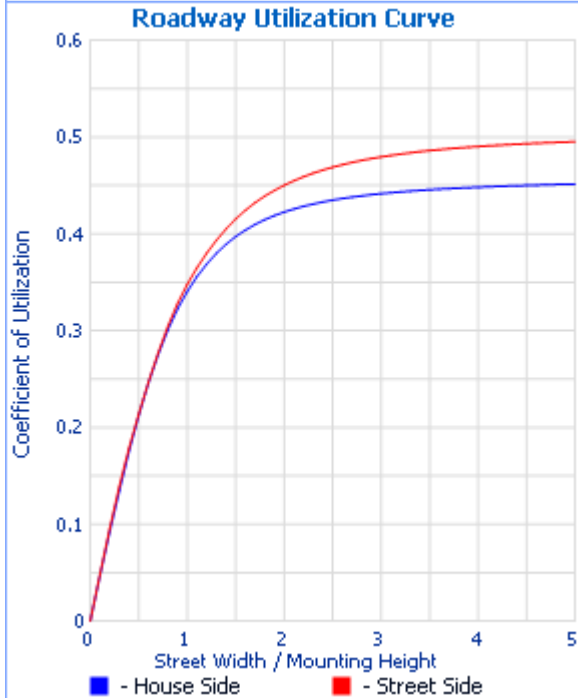
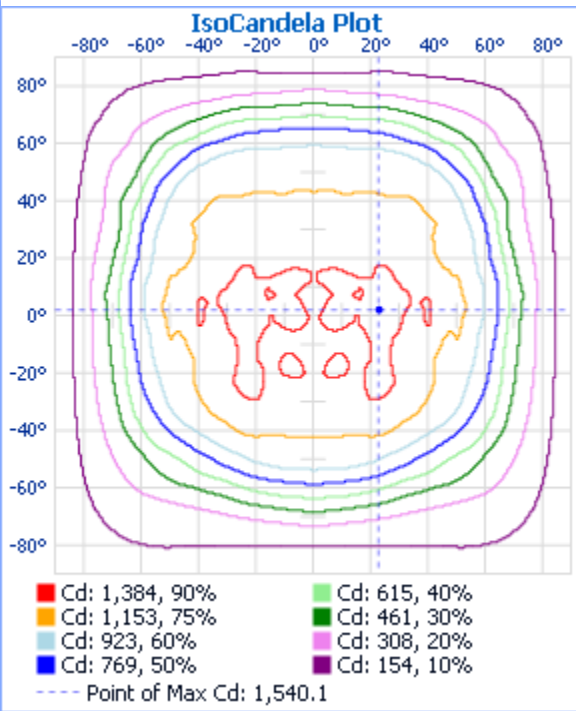
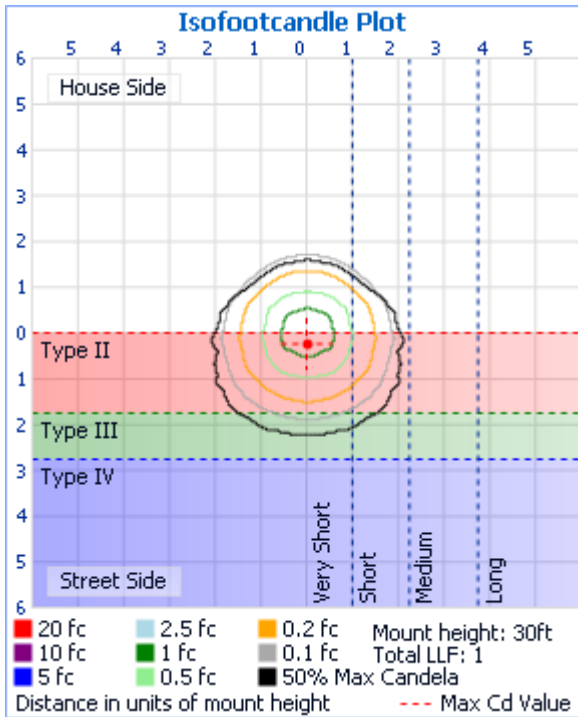
Zone	Lumens	% Lamp	% Luminaire
0-30	1,160.0	22.5%	22.5%
0-40	1,983.6	38.4%	38.5%
0-60	3,780.1	73.3%	73.3%
60-90	1,220.0	23.6%	23.7%
0-90	5,000.1	96.9%	96.9%
90-180	158.2	3.1%	3.1%
0-180	5,158.3	100%	100%

Flood Summary

	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	95.3%	4,916.7	168	165.1
Beam (50%):	77.7%	4,008.3	128.5	119.5
Total:	99.9%	5,156.9		

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	132.1	2.6%	90-100	86.7	1.7%
10-20	392.8	7.6%	100-110	47.4	0.9%
20-30	635.0	12.3%	110-120	19.3	0.4%
30-40	823.6	16.0%	120-130	4.6	0.1%
40-50	917.0	17.8%	130-140	0.2	0%
50-60	879.5	17.1%	140-150	0	0%
60-70	679.4	13.2%	150-160	0	0%
70-80	375.4	7.3%	160-170	0	0%
80-90	165.2	3.2%	170-180	0	0%



Candela Table - Type C

	0	5	15	25	35	45	55	60	62.	67.	72.	77.	82.	87.	90	95	10	11	12	13	14	15	16	17	18	
0	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	
2.5	60	59	58	63	66	66	70	85	76	78	80	82	83	83	84	85	138	13	138	13	13	13	13	13	13	13
5	34	32	28	38	61	79	97	03	07	08	09	12	20	16	21	28	143	14	143	14	14	14	14	14	14	14
7.5	26	21	30	46	66	03	26	37	42	47	46	47	53	57	60	63	145	14	145	14	14	14	14	14	14	14
10	42	41	56	60	78	98	12	16	26	30	36	52	55	47	44	40	144	14	143	14	14	14	14	13	13	13
12.5	13	13	14	14	13	13	13	13	14	14	14	14	14	14	14	14	140	14	141	14	13	13	13	13	13	13
15	13	13	14	14	14	14	13	13	13	13	13	13	13	13	13	13	139	13	138	13	13	13	13	13	13	13

	74	87	30	29	34	14	84	88	93	90	89	97	09	02	00	94	0	88	3	78	75	73	55	54	88	86	83	67	48	24
17.	13	13	13	14	14	14	14	13	13	13	13	13	13	13	14	14	141	14	142	14	14	13	13	13	13	14	14	13	13	13
5	16	45	80	05	09	30	03	74	71	70	65	71	81	99	14	16	4	13	3	24	14	74	58	62	46	01	02	92	51	44
20	12	12	13	13	13	13	14	13	13	14	14	14	14	14	14	14	149	14	148	14	14	14	13	13	13	13	14	14	13	13
	80	96	04	57	56	80	03	82	92	14	11	15	29	43	60	75	3	84	7	65	46	04	54	56	58	96	08	12	60	48
22.	12	12	12	13	12	13	13	14	13	13	14	14	14	15	14	15	15	15	15	15	14	14	13	13	13	13	13	13	13	13
5	83	64	99	10	89	41	96	04	94	96	13	27	48	03	93	25	40	37	40	28	81	45	93	60	60	74	89	78	39	43
25	12	12	12	12	12	12	13	13	14	14	14	14	15	15	15	15	153	15	153	15	14	14	14	13	13	13	13	13	13	13
	30	51	76	54	49	96	71	89	13	48	65	88	04	14	22	24	3	21	8	23	93	54	27	88	84	80	49	71	54	40
27.	12	12	12	12	12	12	14	14	14	14	14	15	15	14	14	14	148	14	147	14	14	13	14	14	13	13	13	13	13	13
5	28	67	31	10	44	76	16	48	65	63	92	05	11	90	80	68	0	90	8	88	50	91	34	41	89	60	53	63	74	68
30	12	12	12	11	12	12	13	14	14	14	13	13	13	14	14	14	143	14	141	14	14	13	13	14	14	13	13	13	13	13
	79	77	59	98	15	71	66	17	36	13	98	77	86	02	15	20	5	10	3	08	00	61	60	51	40	65	34	24	46	56
32.	12	13	12	12	12	12	13	13	13	13	13	13	13	14	14	14	140	13	137	13	13	13	13	13	14	13	13	13	12	12
5	85	05	81	41	34	94	18	18	07	24	56	70	87	02	07	32	2	88	2	53	06	18	56	86	73	67	22	19	73	67
35	12	13	12	12	12	12	12	12	12	13	13	13	13	13	13	13	136	13	137	13	13	12	13	13	14	13	13	12	12	12
	72	08	72	51	93	98	71	56	61	18	39	37	35	42	56	47	4	75	3	48	21	61	16	98	31	78	05	91	64	51
37.	12	13	12	12	13	12	12	12	12	12	12	12	12	13	13	13	138	13	137	13	13	12	12	13	13	13	12	12	12	12
5	78	13	99	34	54	61	11	37	45	56	48	44	81	00	48	60	9	68	4	53	45	90	92	45	45	33	52	41	42	30
40	12	12	12	12	13	12	11	11	11	12	12	13	13	13	13	13	143	14	141	14	13	12	12	12	13	13	12	12	12	12
	22	69	47	72	55	53	53	92	86	22	90	02	26	56	57	82	1	16	1	44	80	83	51	53	30	48	19	15	09	05
42.	11	12	11	12	13	12	11	12	12	12	12	13	13	13	12	12	127	12	125	12	12	12	12	12	12	13	11	11	11	11
5	67	24	97	53	78	58	95	17	20	52	72	06	27	25	96	87	2	58	8	44	61	19	72	57	54	05	89	60	49	36
45	11	11	10	11	12	12	12	12	12	12	12	11	12	12	12	12	128	12	126	12	11	11	12	12	11	12	11	10	11	10
	06	34	93	97	97	67	56	73	95	72	10	99	12	17	08	54	2	66	0	44	97	08	04	98	85	31	30	76	01	82
47.	10	10	10	11	11	12	12	11	11	11	11	11	11	11	11	11	118	12	120	11	11	10	11	11	11	11	10	10	10	10
5	74	93	34	05	55	62	98	54	40	14	20	17	41	64	38	37	8	00	6	87	43	31	46	52	27	15	65	28	59	29
50	10	10	10	10	11	11	11	11	11	11	11	11	11	11	11	11	120	12	119	11	11	10	10	10	10	10	10	99	10	10
	63	74	24	68	03	83	99	59	42	46	45	43	29	44	65	87	1	06	0	94	80	77	63	52	79	36	21	4	04	00
52.	10	10	10	10	10	11	10	11	11	11	11	11	11	11	11	11	114	11	117	11	11	10	10	98	96	94	95	96	94	96
5	78	82	33	51	39	43	97	48	26	45	68	43	50	48	27	65	4	52	8	43	12	48	00	2	3	6	7	5	5	
55	10	10	10	10	10	10	10	11	11	11	11	10	10	10	10	10	104	10	105	10	10	99	10	92	87	85	88	86	84	85
	57	41	04	52	58	49	92	06	13	07	19	90	80	55	35	16	9	81	9	35	34	2	21	0	0	9	1	4	0	5
57.	10	10	99	10	10	10	10	10	10	10	10	99	95	95	96	96	991	10	101	97	91	89	90	83	79	79	79	78	78	80
5	27	03	9	07	23	01	56	60	69	45	26	9	5	5	9	5	32	7	8	4	0	4	8	0	1	5	7	2	4	
60	90	89	89	96	10	95	10	97	96	93	93	92	92	89	88	87	880	90	893	88	84	84	81	74	71	70	71	71	71	72
	6	9	8	6	43	3	32	5	6	2	5	3	6	9	0	1	880	7	893	5	1	2	7	5	9	7	8	8	2	7
62.	84	83	82	83	88	92	92	88	87	87	85	82	83	83	82	81	845	87	888	85	78	78	71	66	64	60	62	63	63	63
5	5	6	8	9	6	6	1	2	2	6	1	3	0	0	2	2	845	5	888	2	7	4	9	2	2	4	6	2	4	6
65	79	79	79	81	79	84	79	80	83	77	78	77	76	73	72	70	729	74	738	71	69	68	65	57	56	51	53	53	54	55
	6	5	5	2	5	1	2	7	5	6	2	0	9	9	9	4	729	4	738	5	2	1	4	4	2	2	2	8	9	6
67.	69	69	69	73	73	73	72	70	71	69	67	66	66	65	62	62	642	64	648	63	58	63	59	53	46	43	45	45	47	48
5	1	7	4	2	0	2	5	3	2	2	2	0	5	8	2	8	642	6	648	4	2	0	3	1	4	8	2	0	2	2
70	61	60	59	64	63	60	64	60	59	59	58	52	56	54	49	47	498	51	523	50	50	51	46	44	39	35	37	36	39	39
	8	8	9	2	4	1	0	2	4	8	5	8	7	3	0	5	498	2	523	7	2	3	3	8	0	8	7	9	3	9
72.	52	52	51	53	53	51	53	52	47	46	44	45	46	47	43	41	423	44	480	45	43	44	38	35	31	29	29	29	31	31
5	5	4	5	6	2	7	4	7	9	6	6	0	2	3	3	3	423	3	480	1	4	4	2	8	2	8	3	7	6	8
75	43	42	40	44	42	42	40	39	39	40	40	40	39	39	37	34	344	36	386	36	35	35	35	29	25	23	23	23	25	24
	4	8	9	8	5	4	8	4	9	7	8	0	3	2	3	2	344	2	386	6	3	7	0	0	2	4	7	9	0	9
77.	36	35	32	33	33	33	34	34	34	33	31	31	33	33	32	28	291	30	320	30	31	29	27	24	21	19	19	19	19	19
5	3	0	7	9	0	4	3	3	3	2	5	0	6	4	2	5	291	5	320	6	4	9	9	6	2	5	3	0	5	3
80	28	27	26	26	25	26	27	27	26	27	26	25	26	26	25	23	236	24	249	23	24	23	22	20	18	16	16	15	15	15
	0	5	0	4	5	4	0	3	6	4	8	7	7	2	2	4	236	3	249	5	3	7	7	7	4	8	0	5	6	1
82.	21	20	19	21	19	19	21	21	21	21	20	19	20	19	20	19	183	18	187	18	19	19	18	17	15	14	13	13	13	12
5	3	8	7	0	8	4	0	2	4	2	6	9	6	7	0	3	183	8	187	1	1	4	9	6	9	6	6	2	1	8
85	15	15	15	16	15	15	16	16	15	16	15	15	15	14	14	14	142	14	140	13	14	14	15	14	13	12	12	11	11	11
	6	6	3	5	5	6	0	0	8	0	5	6	1	5	9	9	142	0	140	5	3	9	1	6	3	8	1	6	4	1
87.	11	11	12	13	12	12	12																							

92.5	78	79	84	94	92	87	88	87	86	86	85	85	86	86	85	86	85	84	83	84	87	94	96	97	97	92	88	85	82	82
95	68	69	73	79	81	77	79	77	76	77	76	77	78	78	76	77	78	76	75	75	79	86	86	87	86	81	77	74	72	72
97.5	60	61	64	68	71	68	69	68	68	68	68	69	72	71	69	69	71	69	68	68	72	78	77	78	75	70	67	64	62	61
100	52	53	55	58	62	59	61	60	60	61	61	62	65	64	63	62	64	63	61	60	65	69	68	70	66	62	58	54	51	50
102.5	45	46	47	50	52	50	52	53	54	54	54	55	57	56	56	55	55	56	55	54	57	60	60	62	58	54	49	44	37	36
105	38	39	40	42	43	43	45	47	47	47	48	48	50	50	50	48	49	49	48	48	50	53	53	55	51	46	41	33	23	21
107.5	33	33	34	35	36	38	40	41	42	42	42	42	43	43	43	42	42	43	42	42	44	46	46	47	42	37	30	21	7	5
110	28	28	28	30	30	32	34	35	36	37	37	36	37	36	36	36	36	36	36	36	38	39	38	38	33	27	20	10	0	0
112.5	23	24	24	24	25	26	29	30	30	31	31	30	31	30	30	30	31	31	31	31	32	32	32	31	25	19	12	3	0	0
115	19	20	19	19	20	21	23	24	25	25	25	25	25	25	25	26	26	26	26	26	26	26	26	25	19	13	7	0	0	0
117.5	13	13	16	15	15	16	18	19	20	20	20	20	20	20	21	21	21	21	21	21	21	21	21	19	14	9	3	0	0	0
120	4	7	12	12	10	10	14	14	15	16	16	16	16	16	16	16	17	16	16	16	16	17	16	14	10	5	0	0	0	0
122.5	3	5	9	9	5	7	10	10	11	12	12	12	12	12	12	12	12	12	12	12	12	13	12	9	6	1	0	0	0	0
125	2	3	7	6	0	3	6	7	7	8	8	8	8	8	8	8	8	8	8	8	9	9	8	6	3	0	0	0	0	0
127.5	1	2	4	1	0	0	3	4	4	4	4	4	4	5	5	5	5	5	5	5	6	6	5	5	3	1	0	0	0	0
130	0	0	0	0	0	0	0	1	1	2	2	2	2	2	2	2	2	3	3	3	3	3	2	1	0	0	0	0	0	0
132.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0
135	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
137.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
142.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
145	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
147.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
152.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
155	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
157.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
160	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
162.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
165	0	0	0	0	0	0	0	0	0	0	0	0	0	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	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	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	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	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	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	0	0	0	0	0	0	0	0	0	0	0	0	0

IESNA:LM-63-2002
[TEST]
[TESTLAB] Intertek
[ISSUEDATE] 4/22/2010
[DISTRIBUTOR]LED CANADA LIGHTS
[LUMCAT]C4658L W/C5006L PN LRP88 / RL1D8r
[LUMINAIRE]LED LIGHT BOARD / ROADWAY LIGHT (COBRAHEAD)
[LAMP]LED
[LAMPCAT]NA. LUMINAIRE OUTPUT: 5160 Lms.
[OTHER]23.997V, 3.1723mA, 76.13W
FILE: CANDELA MULTIPLIER: 1
FILE: VERTICAL ANGLES: 73, HORIZONTAL ANGLES: 30
FILE: COORDINATE SYSTEM: TYPE C
FILE: UNIT OF MEASURE: STANDARD
FILE: BALLAST FACTOR: 1

Photometrics Pro 1.3.9 copyright 2003-2009 by jSolutions, Inc.
Reported data calculated from manufacturer's data file, based on IES recommended methods.

Marek Szeliga

Vice-President

Telephone: 1-888-749-3757

Cell: 416-990-9909

Email: mszeliga@ledcanadalights.ca

<http://ledcanadalights.ca/>