

Photometrics Pro

Luminaire Photometric Report

Filename: HTS-8R Drop Lens Cobrahead

Distributor: LED Canada Lights

Luminaire: MODEL HTS-8R DROP LENS COBRAHEAD

Luminaire Cat: THIRTY-SIX LED LIGHT BOARD / ROADWAY LIGHT (COBRAHEAD) TESTED RL1D

Lamp: LED

Lamp Cat: NA. LUMINAIRE OUTPUT: 7224 Lms.

Lamp Output: 1 lamp(s), rated Lumens/lamp: 7224

Max Candela: 2,156.1 at Horizontal: 82.5°, Vertical: 22.5°

Input Wattage: 92.85

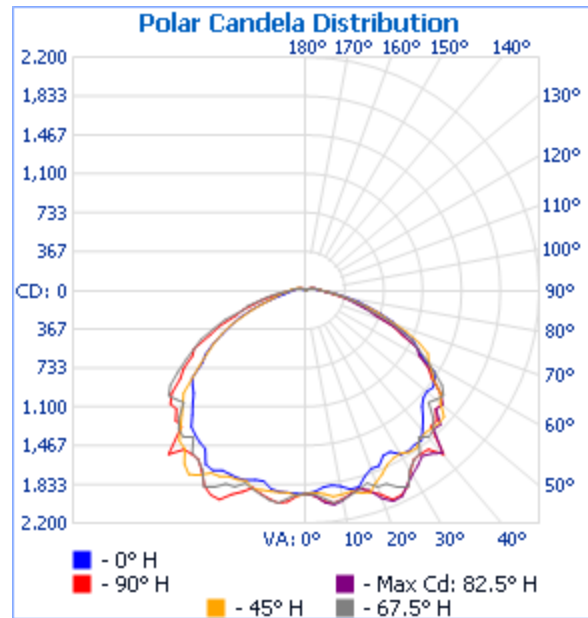
Luminous Opening: Point

Test: INTERTEK TESTED

Test Lab: SCALED FROM Intertek

Photometry : Type C

CIE Class: Direct



Roadway Summary

Cutoff Classification:	CUTOFF	
Distribution:	TYPE III, VERY SHORT	
Max Cd, 90 Deg Vert:	154.0	
Max Cd, 80 to <90 Deg:	391.3	
	Lumens	% Lamp
Downward Street Side:	3,666.2	50.8%
Downward House Side:	3,334.9	46.2%
Downward Total:	7,001.1	96.9%
Upward Street Side:	111.9	1.5%
Upward House Side:	109.4	1.5%
Upward Total:	221.3	3.1%
Total Lumens:	7,222.4	100%

Zonal Lumen Summary

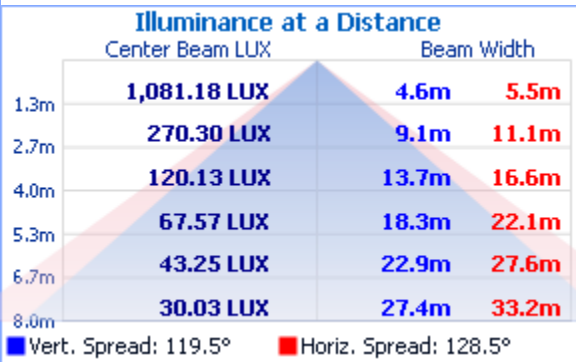
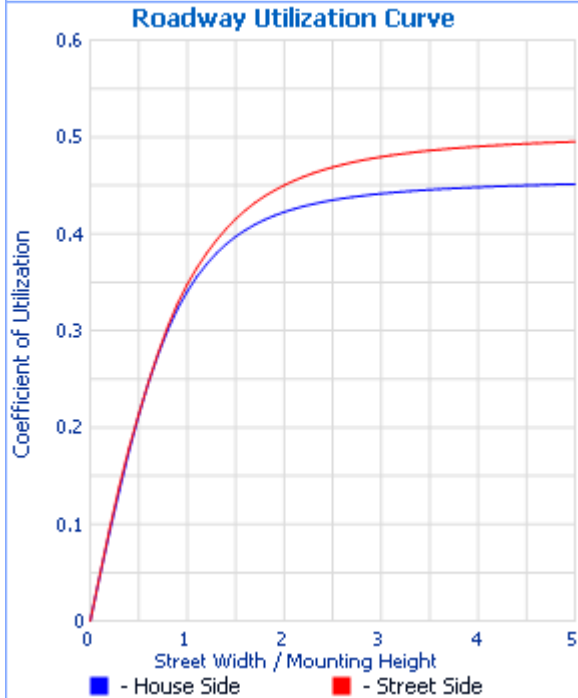
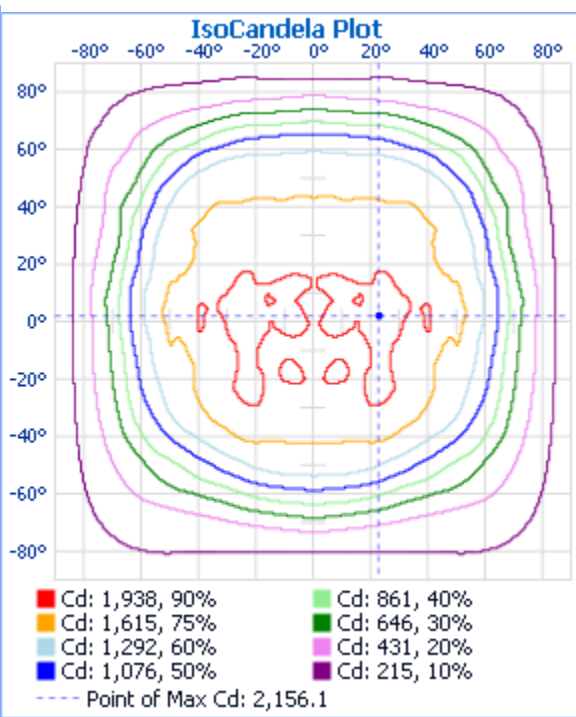
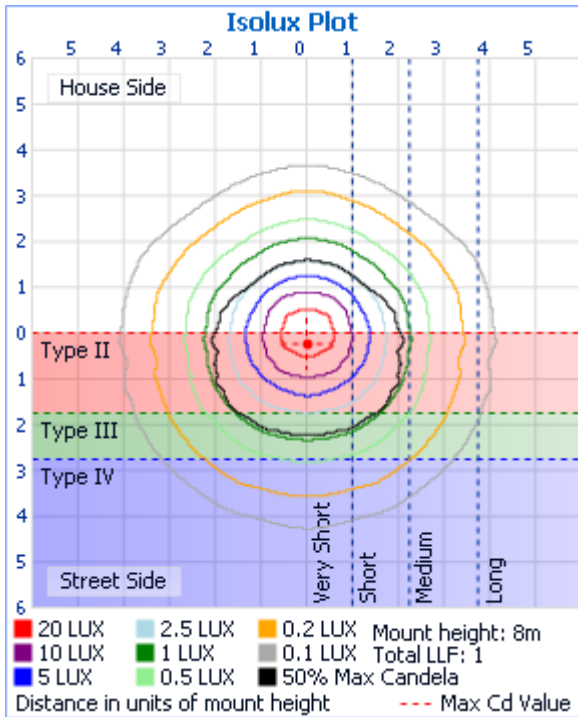
Zone	Lumens	% Lamp	% Luminaire
0-30	1,624.0	22.5%	22.5%
0-40	2,777.0	38.4%	38.5%
0-60	5,292.1	73.3%	73.3%
60-90	1,708.0	23.6%	23.7%
0-90	7,000.2	96.9%	96.9%
90-180	221.4	3.1%	3.1%
0-180	7,221.6	100%	100%

Flood Summary

	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	95.3%	6,883.3	168	165.1
Beam (50%):	77.7%	5,611.7	128.5	119.5
Total:	99.9%	7,219.6		

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	185.0	2.6%	90-100	121.3	1.7%
10-20	550.0	7.6%	100-110	66.4	0.9%
20-30	889.1	12.3%	110-120	27.0	0.4%
30-40	1,153.1	16.0%	120-130	6.4	0.1%
40-50	1,283.8	17.8%	130-140	0.2	0%
50-60	1,231.3	17.1%	140-150	0	0%
60-70	951.1	13.2%	150-160	0	0%
70-80	525.6	7.3%	160-170	0	0%
80-90	231.3	3.2%	170-180	0	0%



Candela Table - Type C

	0	5	15	25	35	45	55	60	62.	67.	72.	77.	80	82.	87.	90	95	10	11	12	13	14	15	16	17	18					
0	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19					
2.5	03	03	01	09	13	13	18	39	26	28	32	34	37	36	37	39	39	1	43	3	44	45	40	32	39	43	33	31	27	21	23
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7.5	18	18	18	18	19	19	19	19	19	19	19	19	19	19	19	19	19	204	20	203	20	20	20	20	19	19	18	18	18	18	19
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	24	42	02	00	08	80	38	44	50	46	45	56	72	62	60	52	6	44	6	30	26	23	98	95	43	40	36	14	88	53	
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5	42	83	32	67	73	03	64	24	19	18	10	20	34	59	79	82	0	78	2	94	80	23	01	06	84	62	62	50	92	81	
20	17	18	18	19	18	19	19	19	19	19	19	19	20	20	20	20	209	20	208	20	20	19	18	18	19	19	19	19	19	18	18
	92	15	25	00	99	32	65	34	48	80	75	81	00	20	44	64	1	78	2	50	24	66	96	98	02	55	71	77	04	88	
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27.	17	17	17	16	17	17	19	20	20	20	20	21	21	20	20	20	207	20	207	20	20	19	20	20	19	19	18	19	19	19	
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92.5	110	111	118	131	130	122	124	122	120	120	120	119	121	121	120	120	119	117	116	118	122	132	135	136	136	129	124	119	115	115	
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135	0	0	1	1	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	
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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]INTERTEK TESTED
[TESTLAB]SCALED FROM Intertek
[ISSUEDATE] 7/22/2010
[DISTRIBUTOR]LED CANADA LIGHTS
[LUMINAIRE]MODEL HTS-8R DROP LENS COBRAHEAD
[LUMCAT]THIRTY-SIX LED LIGHT BOARD / ROADWAY LIGHT (COBRAHEAD)
[MORE]TESTED RL1D
[LAMP]LED
[LAMPCAT]NA. LUMINAIRE OUTPUT: 7224 Lms.
[OTHER]23.997V, 3.1723mA, 92.85W
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

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

Marek Szeliga

Vice-President

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