

Photometrics Pro

Luminaire Photometric Report

Filename: HTS-8R-DROP-COBRAHEAD

Manufacturer: BARE DEVELOPMENT, INC.

Luminaire: MODEL HTS-8R DROP LENS COBRAHEAD

Luminaire Cat: THIRTY-SIX LED LIGHT BOARD / ROADWAY LIGHT (COBRAHEAD) TESTED RL1D 87.6W INPUT

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: 87.6

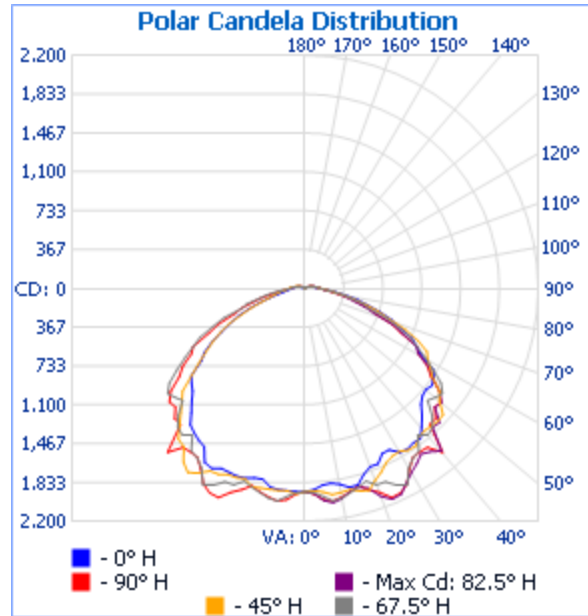
Luminous Opening: Point

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

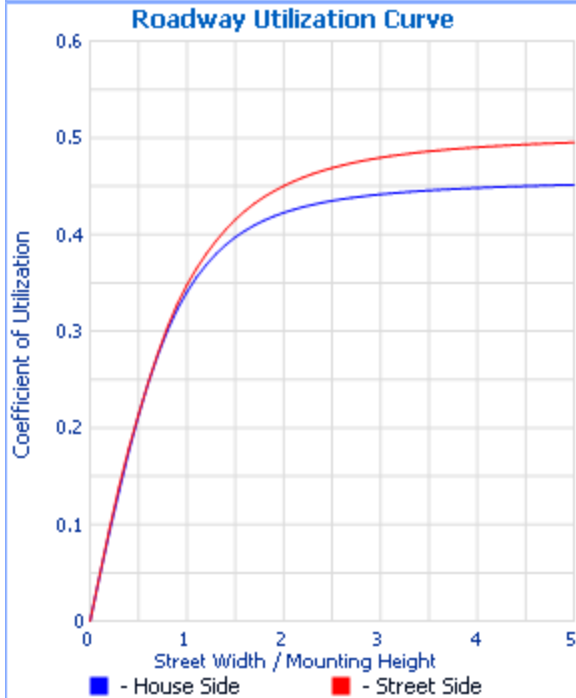
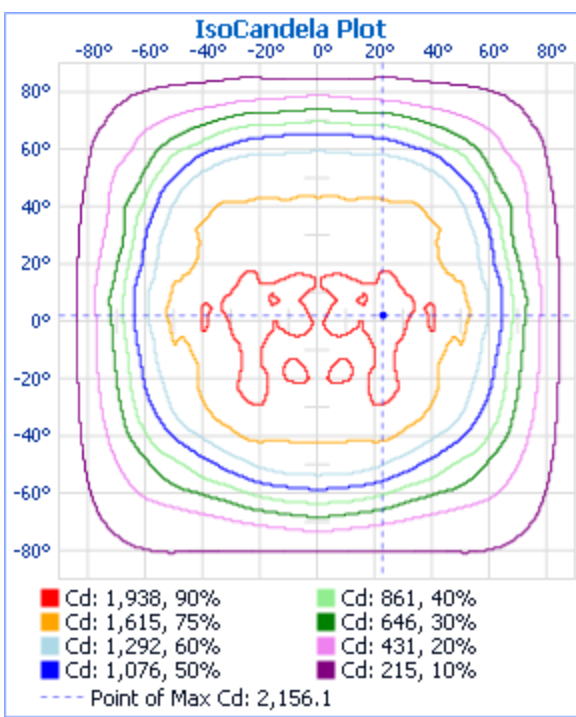
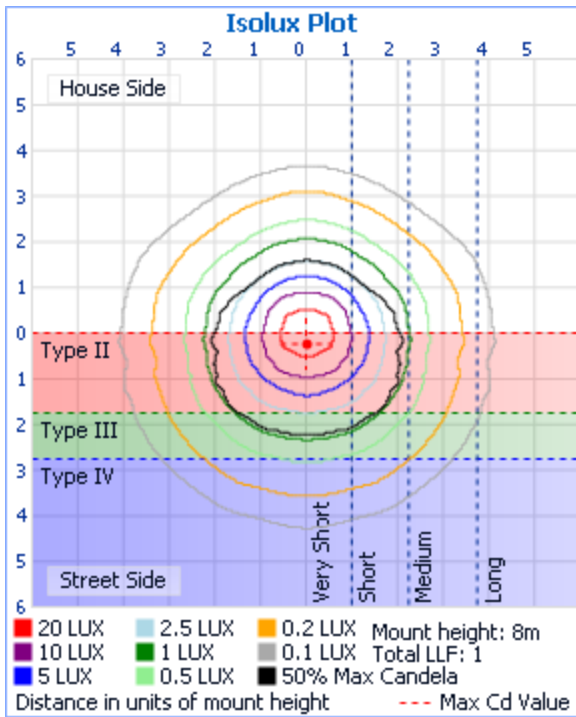
Zone	Lumens	% Lamp	% Luminaire
0-30	1,624.0	22.5%	22.5%
0-40	2,777.0	38.4%	38.5%
0-60	5,292.1	73.3%	73.3%
60-90	1,708.0	23.6%	23.7%
0-90	7,000.2	96.9%	96.9%
90-180	221.4	3.1%	3.1%
0-180	7,221.6	100%	100%

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%



Illuminance at a Distance

	Center Beam LUX	Beam Width
1.3m	1,081.18 LUX	4.6m 5.5m
2.7m	270.30 LUX	9.1m 11.1m
4.0m	120.13 LUX	13.7m 16.6m
5.3m	67.57 LUX	18.3m 22.1m
6.7m	43.25 LUX	22.9m 27.6m
8.0m	30.03 LUX	27.4m 33.2m

■ Vert. Spread: 119.5° ■ Horiz. Spread: 128.5°

Candela Table - Type C

	0	5	15	25	35	45	55	60	62.	65	67.	70	72.	75	77.	80	82.	85	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	19	19	19	19
2.5	03	03	01	09	13	13	18	39	26	28	32	34	37	36	37	39	1	43	3	44	45	40	32	39	43	33	31	27	21	23
5	18	18	18	18	19	19	19	19	19	19	19	19	19	19	19	19	201	20	201	20	19	19	19	19	19	18	18	18	19	19
7.5	18	18	18	18	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
10	18	18	18	19	19	19	19	19	19	19	19	19	19	19	19	19	201	20	200	20	20	19	19	19	19	19	19	18	18	19
12.5	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	196	19	197	19	19	19	19	19	19	19	19	18	18	18
15	19	19	20	20	20	19	19	19	19	19	19	19	19	19	19	19	194	19	193	19	19	19	18	18	19	19	19	19	18	18

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											
95	95	97	103	111	113	108	110	108	107	107	106	108	109	109	107	108	109	107	105	105	105	110	121	122	122	121	113	108	104	101	100										
97.5	83	86	89	95	99	94	97	95	95	96	95	97	100	99	97	97	99	97	95	94	101	109	108	109	105	98	94	90	87	86											
100	72	75	77	81	86	82	85	84	85	85	85	87	91	90	88	87	89	88	86	85	91	97	96	97	92	87	81	76	71	70											
102.5	63	65	66	69	72	70	73	74	75	75	75	77	80	79	78	77	78	78	77	75	79	84	83	87	81	76	69	61	52	51											
105	54	55	56	58	60	61	63	65	66	66	66	67	70	69	69	68	68	69	67	67	70	74	74	77	71	65	57	47	32	29											
107.5	46	47	47	49	51	53	56	57	58	59	59	59	61	60	60	59	59	60	59	59	62	64	64	65	59	52	43	29	10	7											
110	39	40	40	41	42	45	48	49	50	51	51	51	52	51	50	50	51	51	51	51	53	54	54	54	46	38	28	14	0	0											
112.5	32	33	33	34	35	37	40	42	43	43	43	43	43	42	42	42	43	43	43	43	44	45	44	43	35	27	17	5	0	0											
115	27	28	27	27	27	29	33	34	35	36	36	35	35	35	35	36	36	36	36	36	36	36	36	34	26	18	9	0	0	0											
117.5	18	19	22	21	20	22	26	27	28	29	28	28	28	29	29	30	30	30	29	29	29	29	29	26	19	12	4	0	0	0											
120	6	9	17	16	14	15	19	20	21	22	22	22	22	23	23	23	23	23	23	22	22	23	23	19	14	7	1	0	0	0											
122.5	4	7	12	12	7	9	13	15	15	16	16	16	16	17	17	17	17	17	16	16	17	18	16	13	9	2	0	0	0	0											
125	3	5	9	8	0	4	8	10	10	11	11	11	11	11	11	12	11	11	11	12	12	12	11	8	5	0	0	0	0	0	0										
127.5	1	3	6	1	0	0	4	5	5	6	6	6	6	7	7	7	7	7	7	8	8	7	6	4	1	0	0	0	0	0	0										
130	0	0	0	0	1	0	1	1	2	2	2	2	3	3	3	3	3	4	4	4	4	4	4	3	2	0	0	0	0	0	0	0									
132.5	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0								
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	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	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	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	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	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	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	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	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	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	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	0	0	0	0	0	0	0	0	0		
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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	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	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	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	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	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	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	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
[MANUFAC]BARE DEVELOPMENT, INC.
[LUMINAIRE]MODEL HTS-8R DROP LENS COBRAHEAD
[LUMCAT]THIRTY-SIX LED LIGHT BOARD / ROADWAY LIGHT (COBRAHEAD)
[MORE]TESTED RL1D 87.6W INPUT
[LAMP]LED
[LAMPCAT]NA. LUMINAIRE OUTPUT: 7224 Lms.
[OTHER]23.997V, 3.1723mA, 92.85W
[OTHER]TEST PROCEDURE: IESNA LM-79-08
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.