

Photometrics Pro

Luminaire Photometric Report

Filename: HTS-9R-Drop-Cobrahead

Manufacturer: BARE DEVELOPMENT, INC.

Luminaire: HTS-9R Drop Lens Cobrahead 80.19 EFFICIENCY DRIVER INPUT 64.84W

Luminaire Cat: 24 LED LIGHT BOARD / RL1D ROADWAY LIGHT (COBRAHEAD)

Lamp: DRIVER: HIGH PERFECTION TECH

Lamp Cat: LP1090-24-GG-299. LUMEN RATING: 4812.73 Lms.

Lamp Output: 1 lamp(s), rated Lumens/lamp: 4812.73

Max Candela: 1,945.0 at Horizontal: 75°, Vertical: 30°

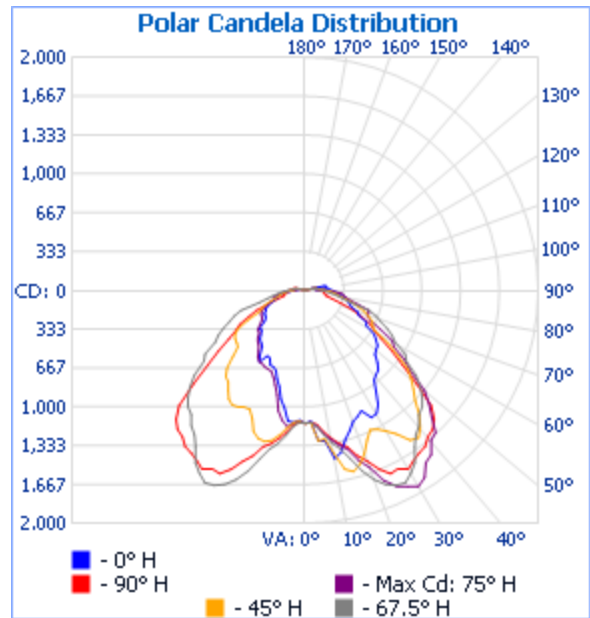
Luminous Opening: Point

Test: Intertek

Test Lab: BASE TEST Intertek

Photometry : Type C

CIE Class: Direct



Roadway Summary

Cutoff Classification:	NONCUTOFF	
Distribution:	TYPE II, VERY SHORT	
Max Cd, 90 Deg Vert:	332.3	
Max Cd, 80 to <90 Deg:	445.1	
	Lumens	% Lamp
Downward Street Side:	2,654.8	55.2%
Downward House Side:	1,997.7	41.5%
Downward Total:	4,652.5	96.7%
Upward Street Side:	103.0	2.1%
Upward House Side:	57.2	1.2%
Upward Total:	160.2	3.3%
Total Lumens:	4,812.7	100%

Zonal Lumen Summary

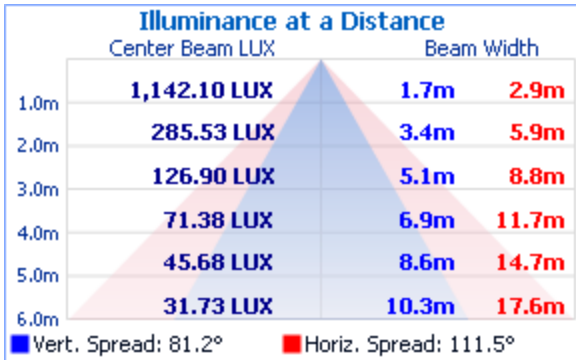
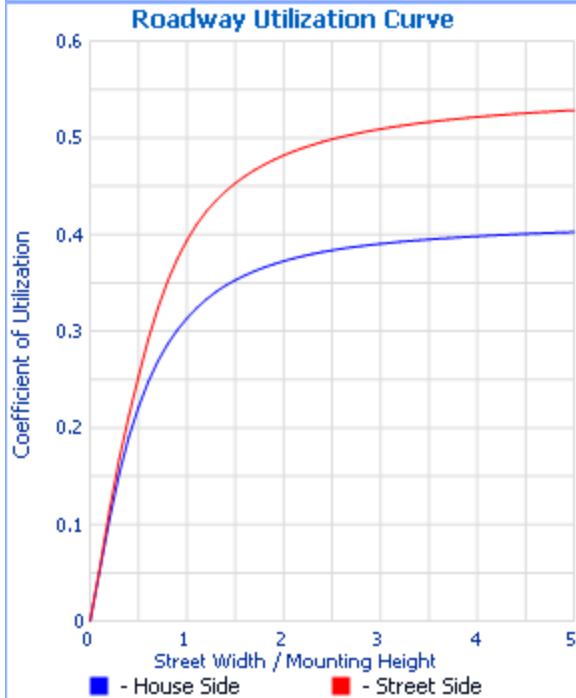
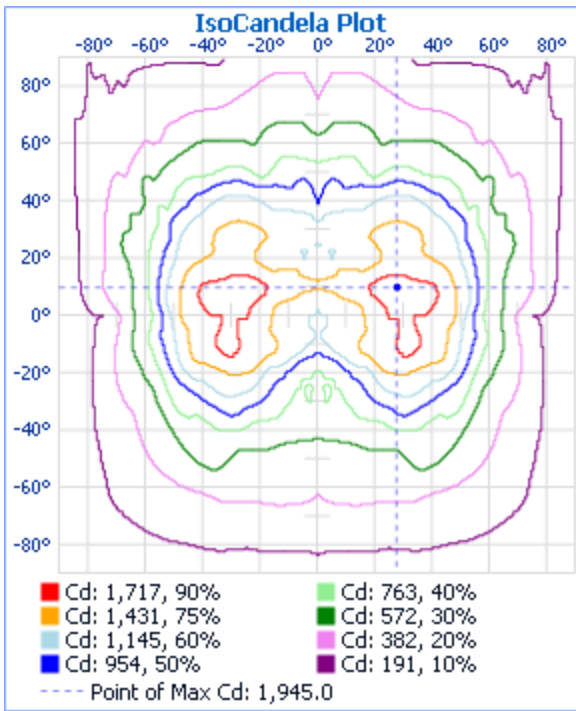
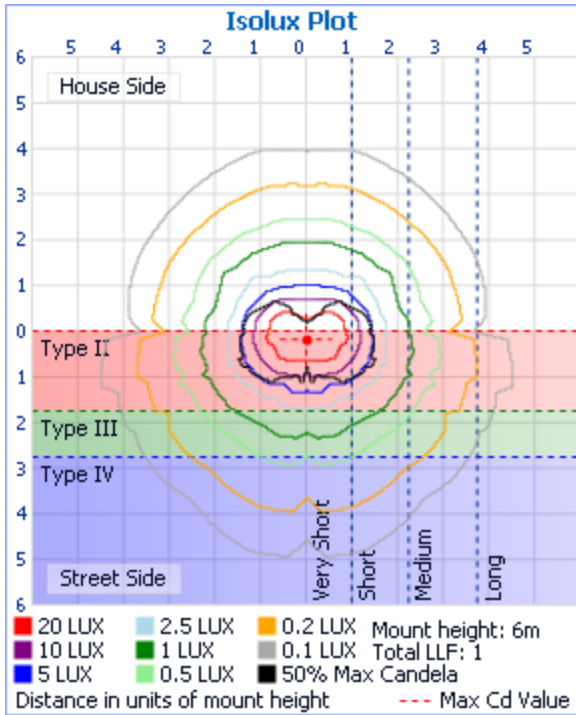
Zone	Lumens	% Lamp	% Luminaire
0-30	1,123.1	23.3%	23.3%
0-40	1,953.3	40.6%	40.6%
0-60	3,511.5	73%	73%
60-90	1,140.6	23.7%	23.7%
0-90	4,652.1	96.7%	96.7%
90-180	160.3	3.3%	3.3%
0-180	4,812.3	100%	100%

Flood Summary

	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	95.8%	4,612.1	165.7	176.2
Beam (50%):	55.3%	2,662.2	111.5	81.2
Total:	100%	4,810.3		

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	117.1	2.4%	90-100	127.8	2.7%
10-20	381.4	7.9%	100-110	32.5	0.7%
20-30	624.6	13.0%	110-120	0	0%
30-40	830.2	17.3%	120-130	0	0%
40-50	853.3	17.7%	130-140	0	0%
50-60	704.9	14.6%	140-150	0	0%
60-70	534.0	11.1%	150-160	0	0%
70-80	372.8	7.7%	160-170	0	0%
80-90	233.8	4.9%	170-180	0	0%



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	11	11	11	11	11	11	11	11	11	11	11	11	11	114	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
2.5	28	32	41	41	40	40	39	36	35	34	35	35	35	5	35	36	36	37	37	37	40	46	46	41	27	23	23	24	19	16	
5	12	12	12	12	12	12	11	11	11	11	11	11	11	117	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
7.5	13	13	13	13	12	12	12	12	12	12	12	12	12	124	12	12	12	12	12	12	12	12	12	11	11	11	11	11	11	11	11
10	14	14	14	14	14	14	13	13	13	13	13	13	13	130	12	12	12	12	12	12	12	12	12	12	12	12	11	11	11	10	
12.5	14	14	14	15	15	15	15	14	14	14	13	13	13	136	13	13	13	13	13	13	13	13	13	13	13	13	11	10	10	96	
15	13	13	13	14	15	16	16	15	15	15	14	14	14	141	14	13	13	13	13	13	13	13	13	13	13	12	10	93	90	85	

17.	29	47	83	51	21	12	39	95	61	26	96	66	40	3	04	95	92	90	90	90	78	43	54	66	44	86	59	0	7	5	
5	12	12	12	14	14	15	16	16	16	16	16	15	15	153	15	15	15	14	14	14	14	14	14	14	13	11	96	85	84	80	
	67	85	22	49	70	65	70	94	77	61	26	91	62	2	22	12	02	93	92	91	83	32	53	51	35	93	8	6	0	2	
20	12	12	11	13	14	14	16	17	17	17	17	17	16	162	15	15	15	15	15	15	14	15	15	12	11	90	79	78	73		
	01	16	44	13	28	90	43	00	28	56	30	03	62	1	93	66	59	53	58	63	40	88	15	26	92	40	7	6	6	1	
22.	11	11	11	12	13	13	16	17	17	17	17	18	18	17	176	17	17	16	16	16	16	16	15	16	15	11	10	84	75	74	71
5	73	83	03	80	49	90	66	11	52	94	05	16	92	8	40	11	81	51	57	64	18	84	21	10	88	89	4	6	7	3	
25	11	11	11	11	12	13	15	17	17	18	18	18	18	185	18	18	17	17	17	17	16	16	16	15	11	99	84	74	78	70	
	42	45	52	76	24	21	79	23	66	10	48	86	71	6	30	04	72	42	39	37	94	83	96	18	26	5	6	8	2	6	
27.	12	12	12	12	12	13	15	16	17	18	18	19	19	190	18	18	17	17	17	17	16	16	16	15	11	96	84	74	77	65	
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32.	11	11	12	13	14	14	15	15	16	17	17	18	18	190	18	18	18	18	17	17	17	17	17	14	11	95	80	73	72	72	
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42.	92	10	10	11	12	14	15	14	14	14	14	14	14	15	165	17	17	17	16	16	16	15	15	12	11	10	75	67	60	58	57
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45	87	99	94	10	12	13	14	14	14	14	14	14	14	153	15	15	15	15	15	15	14	14	11	10	94	72	64	57	55	53	
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47.	81	99	93	10	11	12	13	13	13	13	13	13	13	144	14	15	15	15	14	14	13	13	10	92	83	68	60	53	51	50	
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77.	36	46	47	41	34	35	34	31	34	33	33	32	30	394	38	37	35	33	33	18	20	22	23	23	23	24	24	27	25	25	
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87.	25	35	36	27	19	21	22	21	20	20	16	19	14	238	23	21	18	20	15	14	98	12	12	13	13	13	11	10			

92.5	20	30	31	22	13	13	13	12	12	12	11	11	10	98	92	11	12	99	98	11	75	79	88	10	96	10	86	79	80	76		
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97.5	18	19	29	19	10	10	10	10	98	95	91	88	82	77	73	69	67	65	64	10	64	68	79	82	74	73	60	58	64	62		
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107.5	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
110	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
112.5	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
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120	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
122.5	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
125	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
127.5	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
130	0	0	0	0	0	0	0	0	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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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	0	0
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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
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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
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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	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
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
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
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
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	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	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
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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
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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
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

IESNA:LM-63-2002
[TEST]Intertek
[TESTLAB]BASE TEST Intertek
[ISSUEDATE] 7/19/2010
[MANUFAC]BARE DEVELOPMENT, INC.
[LUMINAIRE]HTS-9R Drop Lens Cobrahead
[MORE]80.19 EFFICIENCY DRIVER INPUT 64.84W
[LUMCAT]24 LED LIGHT BOARD / RL1D ROADWAY LIGHT (COBRAHEAD)
[LAMP]DRIVER: HIGH PERFECTION TECH
[LAMPCAT]LP1090-24-GG-299. LUMEN RATING: 4812.73 Lms.
[OTHER]120.0V, 190.7MA, 62.93W
[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.