

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°

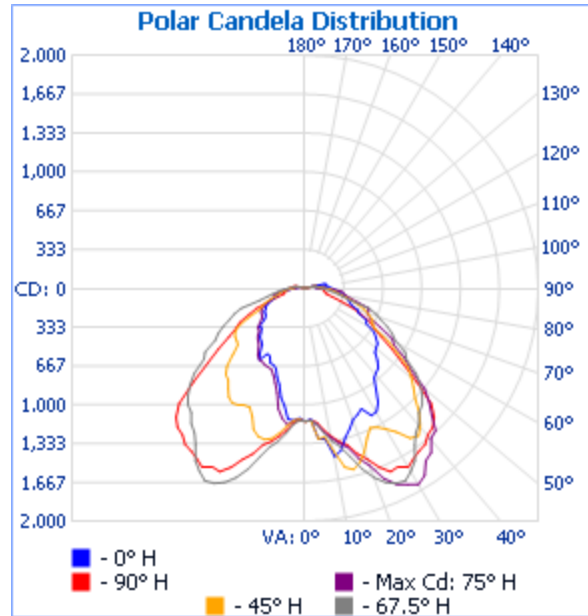
Luminous Opening: Point

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

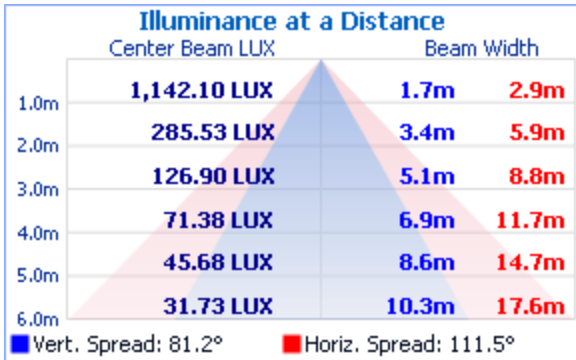
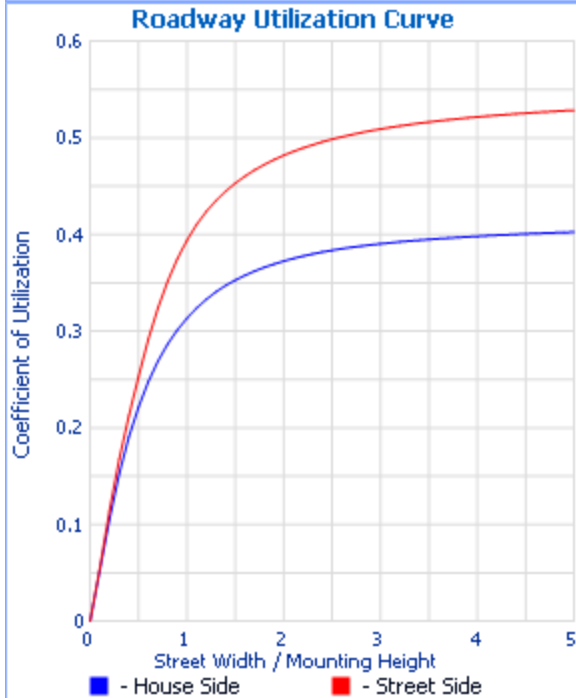
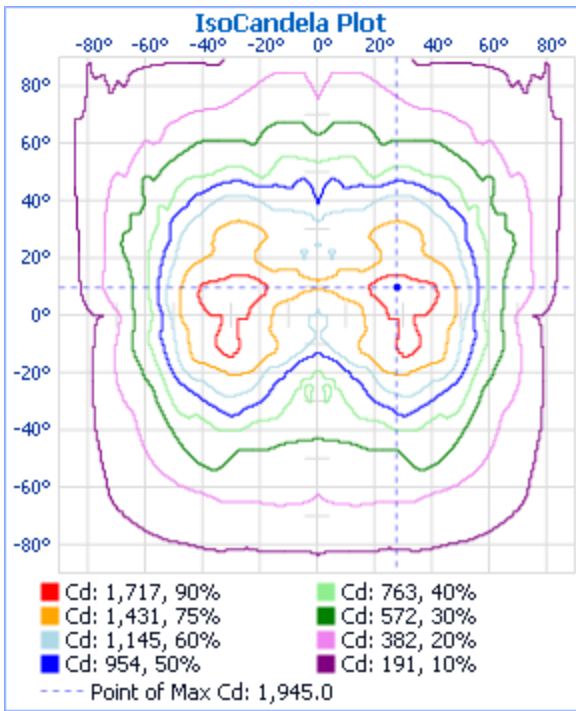
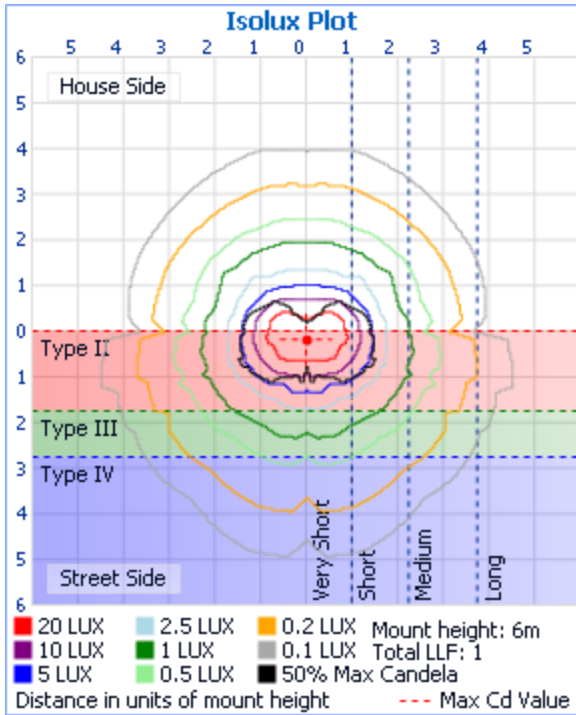
Zone	Lumens	% Lamp	% Luminaire
0-30	1,123.1	23.3%	23.3%
0-40	1,953.3	40.6%	40.6%
0-60	3,511.5	73%	73%
60-90	1,140.6	23.7%	23.7%
0-90	4,652.1	96.7%	96.7%
90-180	160.3	3.3%	3.3%
0-180	4,812.3	100%	100%

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	
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	
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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	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	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	
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	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	18	18	17	176	17	17	16	16	16	16	16	15	16	15	11	10	84	75	74	71	
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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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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					
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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
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
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

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.