

Photometrics Pro

Luminaire Photometric Report

- [Evaluation Version]

Filename: HTS-9AAR Bare Development C6906L

Manufacturer: BARE DEVELOPMENT, INC.

Luminaire: FABRICATED WHITE PAINTED METAL MOUNTING PLATE, EXTRUDED FINNED CIRCULAR METAL HEAT SINK, ONE WHITE CIRCUIT BOARD WITH 6 LEDS, OPEN SIDES. CIRCUIT BOARD STOOD-OFF OF LENS 1/8".

Luminaire Cat: HTS-9AAR

Lamp: SIX WHITE LIGHT EMITTING DIODES (LEDS), VERTICAL BASE-UP POSITION.

Lamp Cat: NA. LUMINAIRE OUTPUT = 1151.67 LMS

Lamp Output: 1 lamp(s), rated Lumens/lamp: 1151.67

Max Candela: 310.0 at Horizontal: 180°, Vertical: 2.5°

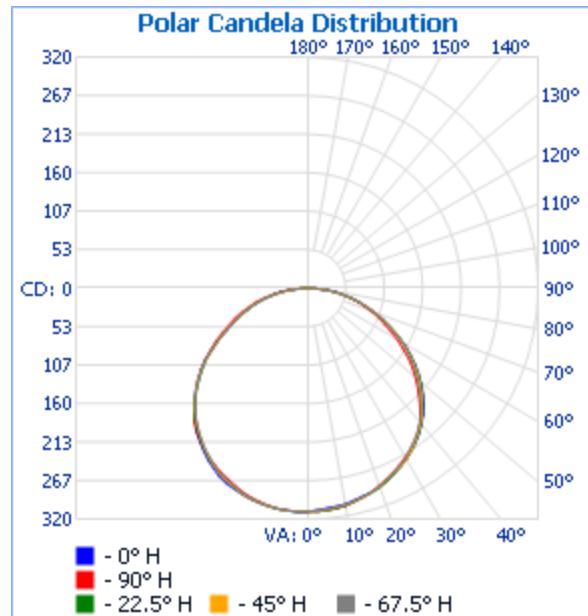
Input Wattage: 15.2

Luminous Opening: Rectangle (L: 0.83ft, W: 0.6ft)

Test Lab: Intertek

Photometry : Type C

CIE Class: Direct



Roadway Summary

Cutoff Classification:	CUTOFF	
Distribution:	TYPE II, VERY SHORT	
Max Cd, 90 Deg Vert:	4.7	
Max Cd, 80 to <90 Deg:	51.7	
	Lumens	% Lamp
Downward Street Side:	486.3	42.2%
Downward House Side:	467.2	40.6%
Downward Total:	953.5	82.8%
Upward Street Side:	0.3	0%
Upward House Side:	0.1	0%
Upward Total:	0.4	0%
Total Lumens:	953.9	82.8%

Zonal Lumen Summary

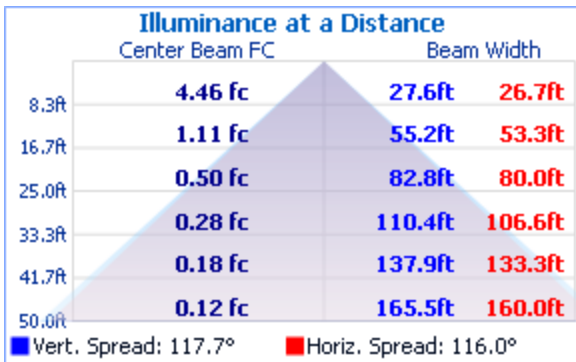
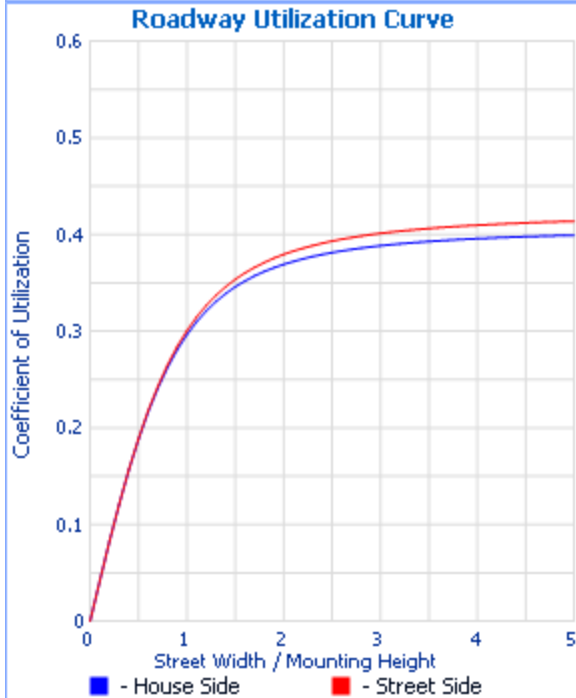
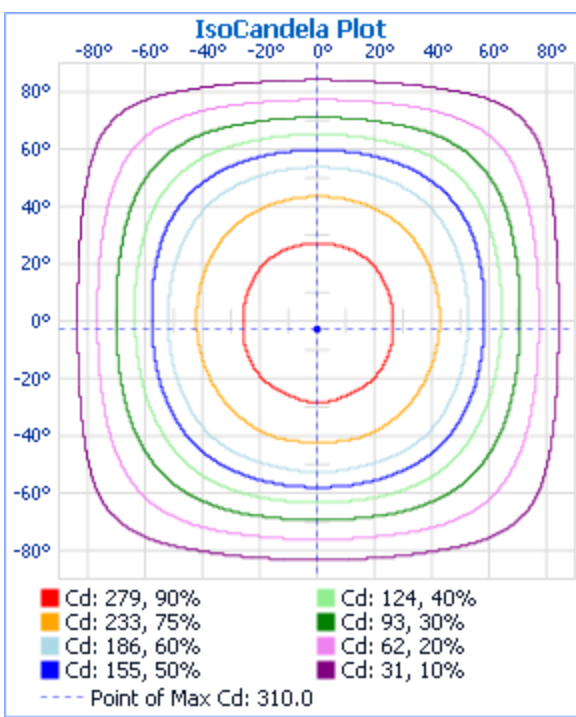
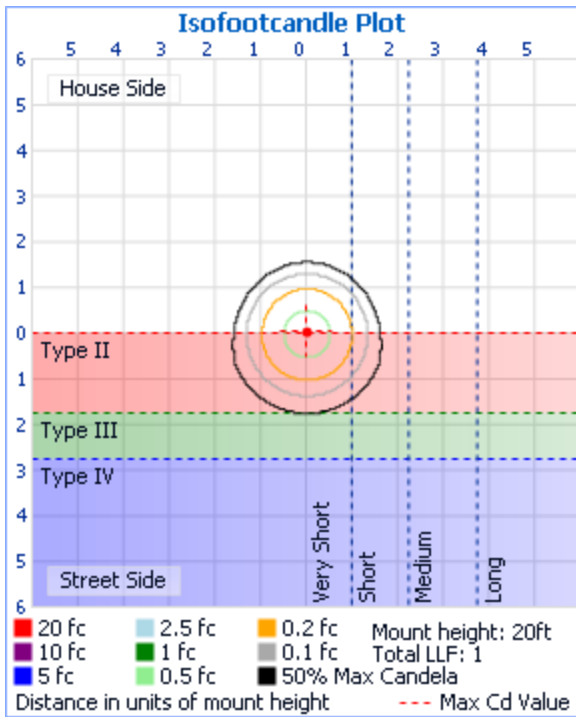
Zone	Lumens	% Lamp	% Luminaire
0-30	245.1	21.3%	25.7%
0-40	406.8	35.3%	42.7%
0-60	733.9	63.7%	76.9%
60-90	219.5	19.1%	23%
0-90	953.3	82.8%	100%
90-180	0.4	0%	0%
0-180	953.7	82.8%	100%

Flood Summary

	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	81.8%	942.1	167.9	167.6
Beam (50%):	62%	713.8	116	117.7
Total:	82.8%	953.4		

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	29.4	3.1%	90-100	0.4	0%
10-20	84.9	8.9%	100-110	0	0%
20-30	130.9	13.7%	110-120	0	0%
30-40	161.7	17.0%	120-130	0	0%
40-50	171.4	18.0%	130-140	0	0%
50-60	155.6	16.3%	140-150	0	0%
60-70	119.1	12.5%	150-160	0	0%
70-80	74.9	7.9%	160-170	0	0%
80-90	25.4	2.7%	170-180	0	0%



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Candela Table - Type C

	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5	360
0	310	310	310	310	310	310	310	310	310	310	310	310	310	310	310	310	310
2.5	308	310	309	308	310	310	310	310	310	310	310	310	310	308	309	310	308
5	306	309	308	307	309	309	310	310	309	310	310	309	309	307	308	309	306
7.5	305	308	306	306	308	308	308	308	308	308	308	308	308	306	306	308	305
10	304	306	305	305	306	306	307	307	307	307	307	306	306	305	305	306	304
12.5	301	302	303	303	303	304	304	305	304	305	304	304	303	303	303	302	301
15	298	299	300	299	300	301	302	302	303	302	302	301	300	299	300	299	298
17.5	296	297	297	296	296	298	299	298	300	298	299	298	296	296	297	297	296

155	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
160	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
165	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
170	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
175	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
180	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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Luminaire Report Summary

IESNA:LM-63-2002
[TEST]
[TESTLAB]Intertek
[ISSUEDATE] 4/23/2010
[MANUFAC]BARE DEVELOPMENT, INC.
[LUMCAT]HTS-9AAR
[LUMINAIRE]FABRICATED WHITE PAINTED METAL MOUNTING PLATE, EXTRUDED
[MORE]FINNED CIRCULAR METAL HEAT SINK, ONE WHITE CIRCUIT BOARD WITH 6
[MORE]LEDS, OPEN SIDES. CIRCUIT BOARD STOOD-OFF OF LENS 1/8".
[LAMP]SIX WHITE LIGHT EMITTING DIODES (LEDS), VERTICAL
[MORE]BASE-UP POSITION.
[_LEDDRIVER]MEAN WELL LPV-35-24
[_NOTE]DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED AT RATED INPUT
[LAMPCAT]NA. LUMINAIRE OUTPUT = 1151.67 LMS
[OTHER]24.005V, 3.1786A, 15.20W
FILE: CANDELA MULTIPLIER: 1
FILE: VERTICAL ANGLES: 73, HORIZONTAL ANGLES: 17
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.