

Photometrics Pro

Luminaire Photometric Report

- [Evaluation Version]

Filename: ITL68919-HTS9AA

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-9AA

Lamp: SIX WHITE LIGHT EMITTING DIODES (LEDS), VERTICAL BASE-UP POSITION. VOLTAGE (120VAC, 60Hz) TO THE LED DRIVER.

Lamp Output: 1 lamp(s), rated Lumens/lamp: 800

Max Candela: 444.0 at Horizontal: 65°, Vertical: 2.5°

Input Wattage: 15.8

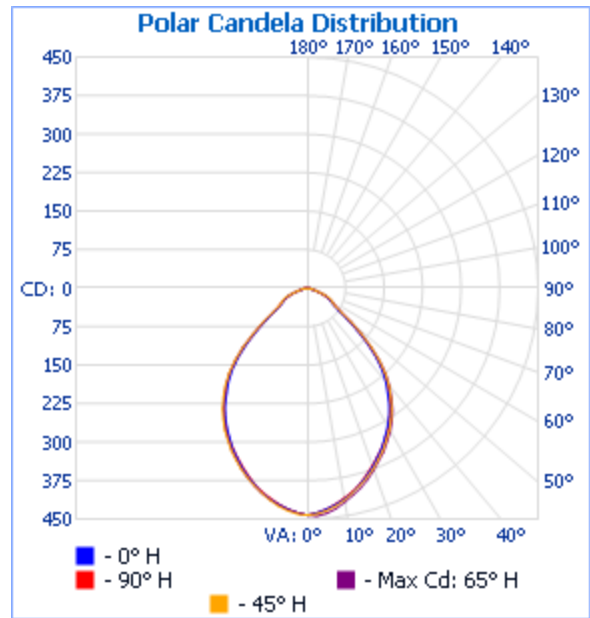
Luminous Opening: Rectangle (L: 0.3ft, W: 0.6ft)

Test: ITL68919

Test Lab: INDEPENDENT TESTING LABORATORIES, INC.

Photometry : Type C

CIE Class: Direct



Roadway Summary

Cutoff Classification:	CUTOFF	
Distribution:	Type VS	
Max Cd, 90 Deg Vert:	1.0	
Max Cd, 80 to <90 Deg:	9.0	
	Lumens % Lamp	
Downward Street Side:	391.5	48.9%
Downward House Side:	391.5	48.9%
Downward Total:	783.0	97.9%
Upward Street Side:	0	0%
Upward House Side:	0	0%
Upward Total:	0	0%
Total Lumens:	783.0	97.9%

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	312.7	39.1%	40%
0-40	489.9	61.2%	62.6%
0-60	715.1	89.4%	91.4%
60-90	67.5	8.4%	8.6%
0-90	782.6	97.8%	100%
90-180	0	0%	0%
0-180	782.6	97.8%	100%

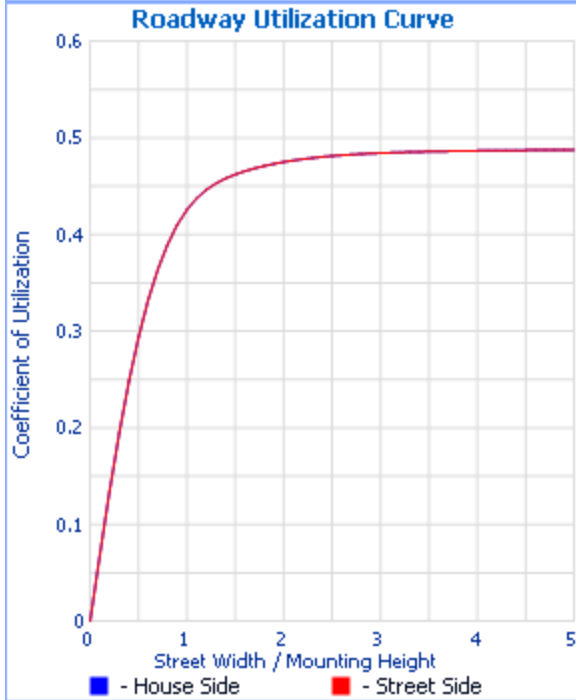
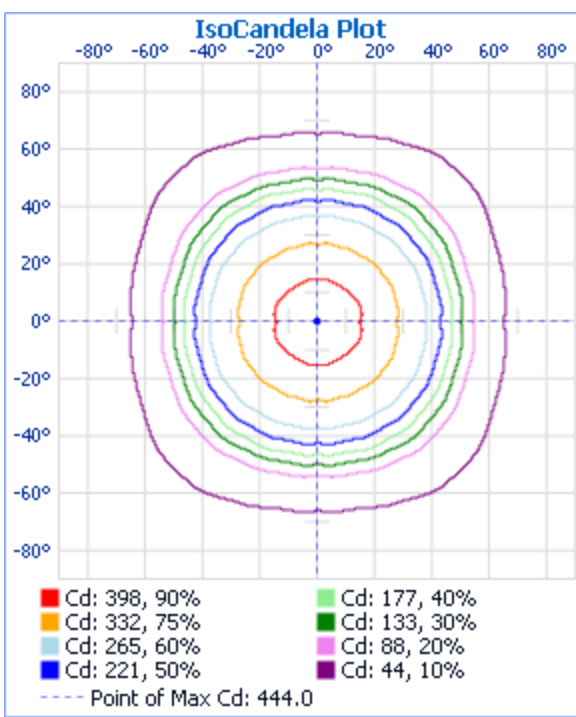
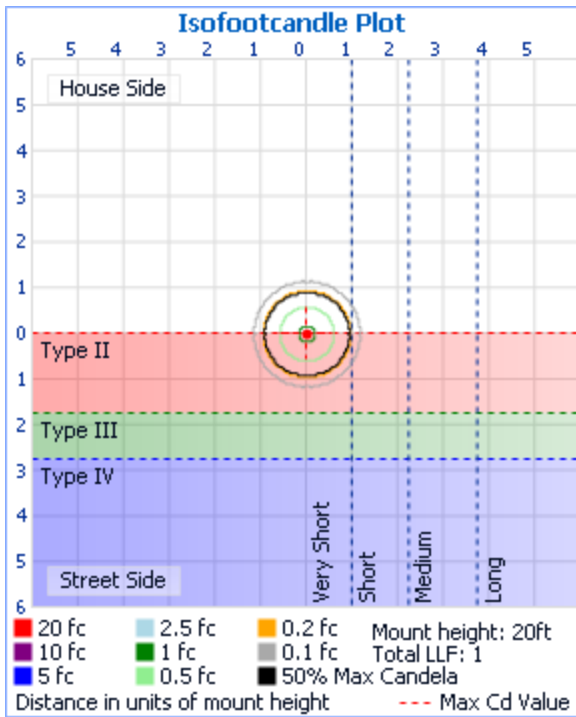
Efficiency Total: 97.8%

Flood Summary

	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	93.1%	744.7	129.8	131.3
Beam (50%):	66.6%	532.8	85.2	83.9
Total:	97.8%	782.3		

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	41.0	5.2%	90-100	0	0%
10-20	112.1	14.3%	100-110	0	0%
20-30	159.7	20.4%	110-120	0	0%
30-40	177.1	22.6%	120-130	0	0%
40-50	148.7	19.0%	130-140	0	0%
50-60	76.5	9.8%	140-150	0	0%
60-70	45.7	5.8%	150-160	0	0%
70-80	17.4	2.2%	160-170	0	0%
80-90	4.4	0.6%	170-180	0	0%



Illuminance at a Distance

	Center Beam FC	Beam Width
8.3ft	6.36 fc	15.0ft 15.3ft
16.7ft	1.59 fc	30.0ft 30.6ft
25.0ft	0.71 fc	45.0ft 46.0ft
33.3ft	0.40 fc	59.9ft 61.3ft
41.7ft	0.25 fc	74.9ft 76.6ft
50.0ft	0.18 fc	89.9ft 91.9ft

■ Vert. Spread: 83.9° ■ Horiz. Spread: 85.2°

Photometrics Pro - Evaluation Version

Photometrics Pro - Evaluation Version

Candela Table - Type C

	0	5	15	25	35	45	55	65	75	85	90	95	105	115	125	135	145	155	165	175	180
0	442	442	442	442	442	442	442	442	442	442	442	442	442	442	442	442	442	442	442	442	442
2.5	438	440	438	438	438	440	441	444	444	440	438	440	444	444	441	440	438	438	438	440	438
5	432	435	432	433	432	435	435	440	438	435	432	435	438	440	435	435	432	433	432	435	432
7.5	425	428	425	426	425	428	428	433	431	428	424	428	431	433	428	428	425	426	425	428	425
10	417	420	418	418	417	419	418	423	421	419	415	419	421	423	418	419	417	418	418	420	417
12.5	408	411	408	409	407	409	409	413	412	410	406	410	412	413	409	409	407	409	408	411	408
15	396	401	397	398	396	398	398	403	401	400	395	400	401	403	398	398	396	398	397	401	396
17.5	384	388	384	387	385	387	387	391	387	387	382	387	387	391	387	387	385	387	384	388	384

20	371	375	372	374	372	375	373	378	374	374	369	374	374	378	373	375	372	374	372	375	371
22.5	357	361	358	361	358	362	360	364	361	361	356	361	361	364	360	362	358	361	358	361	357
25	344	348	344	348	344	349	346	352	349	348	343	348	349	352	346	349	344	348	344	348	344
27.5	328	334	330	333	331	334	333	337	335	335	330	335	335	337	333	334	331	333	330	334	328
30	313	318	315	318	315	320	318	323	321	321	315	321	321	323	318	320	315	318	315	318	313
32.5	297	302	298	301	299	304	302	307	304	306	299	306	304	307	302	304	299	301	298	302	297
35	279	284	279	284	282	287	284	290	286	289	282	289	286	290	284	287	282	284	279	284	279
37.5	258	264	260	264	261	268	265	270	267	270	264	270	267	270	265	268	261	264	260	264	258
40	239	244	240	246	242	248	245	250	247	253	243	253	247	250	245	248	242	246	240	244	239
42.5	216	224	219	224	219	225	221	227	223	230	222	230	223	227	221	225	219	224	219	224	216
45	190	198	192	198	193	199	193	200	194	203	193	203	194	200	193	199	193	198	192	198	190
47.5	159	168	161	170	162	169	162	169	164	175	162	175	164	169	162	169	162	170	161	168	159
50	126	136	128	136	128	137	130	138	131	142	130	142	131	138	130	137	128	136	128	136	126
52.5	96	105	100	106	100	108	101	108	102	112	102	112	102	108	101	108	100	106	100	105	96
55	74	81	76	82	76	82	78	83	78	86	79	86	78	83	78	82	76	82	76	81	74
57.5	61	65	62	64	62	66	64	68	65	70	65	70	65	68	64	66	62	64	62	65	61
60	55	57	55	56	56	58	57	59	59	61	58	61	59	59	57	58	56	56	55	57	55
62.5	51	53	51	53	52	54	54	55	53	54	50	54	53	55	54	54	52	53	51	53	51
65	46	48	46	48	48	50	49	49	45	46	44	46	45	49	49	50	48	48	46	48	46
67.5	39	41	39	41	40	43	40	40	37	40	37	40	37	40	40	43	40	41	39	41	39
70	30	34	30	32	31	33	30	31	29	31	28	31	29	31	30	33	31	32	30	34	30
72.5	20	24	21	24	22	23	21	22	20	23	19	23	20	22	21	23	22	24	21	24	20
75	12	15	14	16	15	16	14	16	14	16	13	16	14	16	14	16	15	16	14	15	12
77.5	8	9	9	10	9	11	10	11	10	11	10	11	10	11	10	11	9	10	9	9	8
80	6	6	6	7	7	8	8	8	9	9	8	9	9	8	8	8	7	7	6	6	6
82.5	6	6	6	6	6	7	8	8	9	9	8	9	9	8	8	7	6	6	6	6	6
85	2	4	3	4	2	4	3	5	5	7	5	7	5	5	3	4	2	4	3	4	2
87.5	0	1	1	1	1	1	1	2	1	2	1	2	1	2	1	1	1	1	1	1	0
90	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0

Photometrics Pro - Evaluation Version

Luminaire Report Summary

IESNA:LM-63-2002
 [ISSUEDATE]04/02/10
 [TEST]ITL68919
 [TESTLAB]INDEPENDENT TESTING LABORATORIES, INC.
 [MANUFAC]BARE DEVELOPMENT, INC.
 [LUMCAT]HTS-9AA
 [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
 [MORE]VOLTAGE (120VAC, 60Hz) TO THE LED DRIVER.
 [OTHER]TOTAL INPUT WATTS = 15.8 AT 120.0 VOLTS
 [OTHER]TEST PROCEDURE: IESNA LM-79-08
 [OTHER]TEST DISTANCE = 15.25 FEET
 FILE: CANDELA MULTIPLIER: 1
 FILE: VERTICAL ANGLES: 37, HORIZONTAL ANGLES: 21
 FILE: COORDINATE SYSTEM: TYPE C
 FILE: UNIT OF MEASURE: STANDARD
 FILE: BALLAST FACTOR: 1

Photometrics Pro 1.3.8 - (Evaluation Version) copyright 2003-2009 by jSolutions, Inc.
Reported data calculated from manufacturer's data file, based on IES recommended methods.