

Photometrics Pro

Luminaire Photometric Report

Filename: HTS-9AAR --- ITL68919

Distributor: LED Canada Lights

Luminaire: FABRICATED WHITE PAINTED METAL MOUNTING PLATE, EXTRUDED FINNED CIRCULAR METAL HEAT SINK, ONE WHITE CIRCUIT BOARD WITH 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. VOLTAGE (120VAC, 60Hz) TO THE LED DRIVER.

Lamp Output: 1 lamp(s), rated Lumens/lamp: 1266

Max Candela: 702.6 at Horizontal: 65°, Vertical: 2.5°

Input Wattage: 15.8

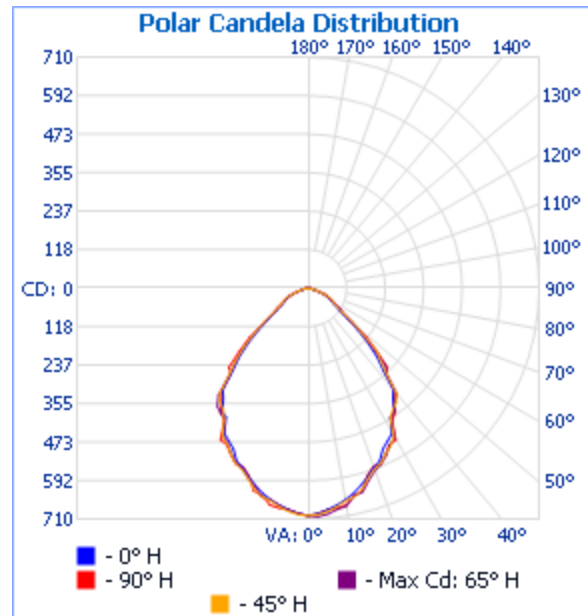
Luminous Opening: Rectangle (L: 0.09m, W: 0.18m)

Test: ITL98819

Test Lab: INDEPENDENT TESTING LABORATORIES, INC.

Photometry : Type C

CIE Class: Direct



Roadway Summary

Cutoff Classification:	CUTOFF	
Distribution:	TYPE I, VERY SHORT	
Max Cd, 90 Deg Vert:	1.6	
Max Cd, 80 to <90 Deg:	14.2	
	Lumens % Lamp	
Downward Street Side:	633.0	50%
Downward House Side:	633.0	50%
Downward Total:	1,266.0	100%
Upward Street Side:	0	0%
Upward House Side:	0	0%
Upward Total:	0	0%
Total Lumens:	1,266.0	100%

Zonal Lumen Summary

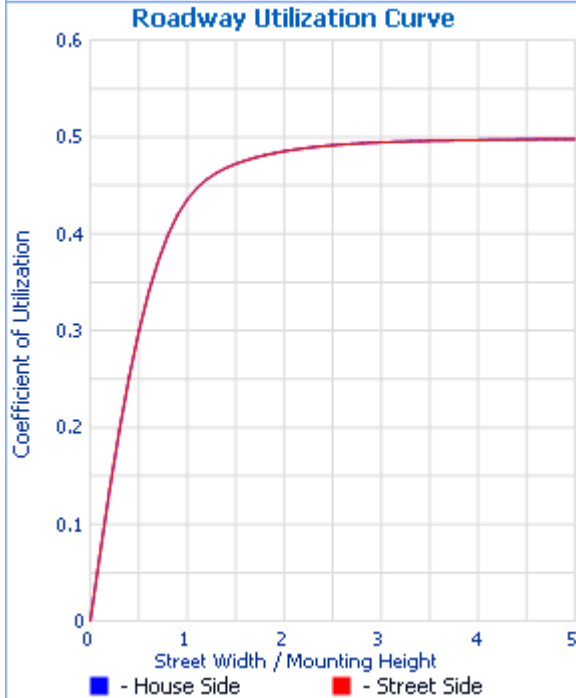
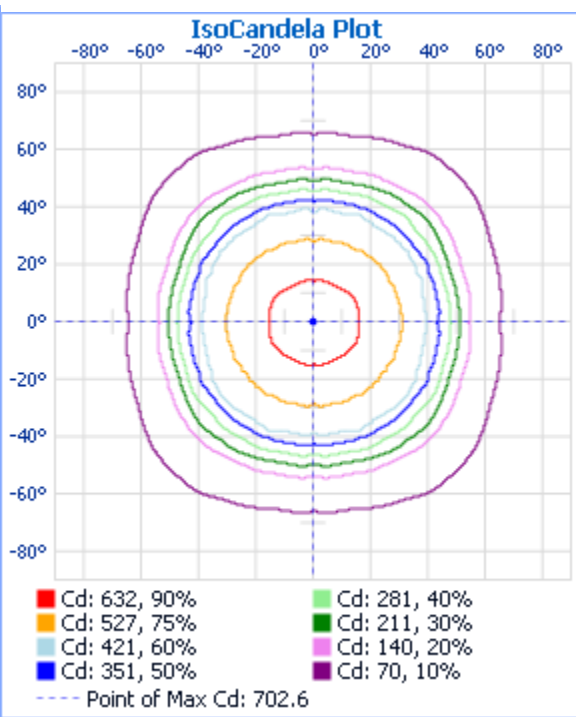
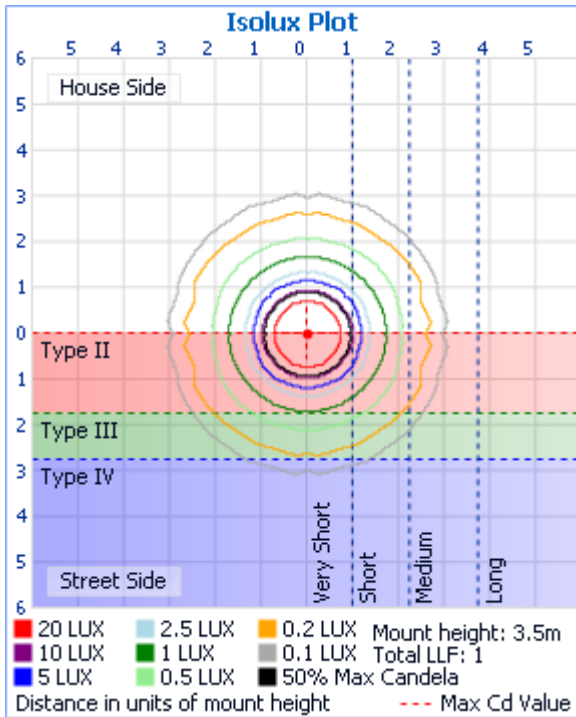
Zone	Lumens	% Lamp	% Luminaire
0-30	501.7	39.6%	39.7%
0-40	792.6	62.6%	62.6%
0-60	1,157.7	91.4%	91.5%
60-90	107.6	8.5%	8.5%
0-90	1,265.3	99.9%	100%
90-180	0	0%	0%
0-180	1,265.3	99.9%	100%

Flood Summary

	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	95.2%	1,205.1	129.8	131.9
Beam (50%):	68.9%	872.8	86.6	84.9
Total:	99.9%	1,265.3		

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	64.9	5.1%	90-100	0	0%
10-20	178.3	14.1%	100-110	0	0%
20-30	258.5	20.4%	110-120	0	0%
30-40	290.9	23.0%	120-130	0	0%
40-50	241.4	19.1%	130-140	0	0%
50-60	123.7	9.8%	140-150	0	0%
60-70	72.7	5.7%	150-160	0	0%
70-80	27.9	2.2%	160-170	0	0%
80-90	7.0	0.6%	170-180	0	0%



Illuminance at a Distance

	Center Beam LUX	Beam Width	
0.6m	2,055.67 LUX	1.1m	1.1m
1.2m	513.92 LUX	2.1m	2.2m
1.8m	228.41 LUX	3.2m	3.3m
2.3m	128.48 LUX	4.3m	4.4m
2.9m	82.23 LUX	5.3m	5.5m
3.5m	57.10 LUX	6.4m	6.6m

■ Vert. Spread: 84.9° ■ Horiz. Spread: 86.6°

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	700	700	700	700	700	700	700	700	700	700	700	700	700	700	700	700	700	700	700	700	700
2.5	693	696	693	693	693	696	698	703	703	696	693	696	703	703	698	696	693	693	693	696	693
5	684	688	684	685	684	688	688	696	693	688	684	688	693	696	688	688	684	685	684	688	684
7.5	673	677	673	674	673	677	677	685	682	677	681	677	682	685	677	677	673	674	673	677	673
10	660	665	662	662	660	663	672	679	676	673	677	673	676	672	662	663	660	662	662	665	660
12.5	646	650	656	657	654	657	657	654	652	659	652	659	652	654	657	657	654	657	646	650	646
15	627	635	628	630	627	640	650	648	645	643	645	643	645	648	640	640	627	630	628	635	627
17.5	608	614	608	612	609	612	612	619	612	612	604	612	612	619	612	612	609	612	608	614	608
20	587	593	589	592	589	593	590	598	592	592	584	592	592	598	590	593	589	592	589	593	587
22.5	575	571	576	581	566	583	590	586	581	581	583	581	581	586	590	583	586	581	576	571	575
25	544	551	564	561	564	562	568	567	562	561	563	561	562	567	568	562	564	561	564	551	544
27.5	529	539	532	537	534	549	547	543	550	540	542	550	540	543	537	539	534	537	532	539	529

30	515	523	528	523	528	526	533	531	538	538	538	538	538	531	523	526	528	523	528	523	515
32.5	470	478	472	476	473	471	488	476	491	490	480	490	491	476	488	481	473	476	472	478	470
35	462	469	462	469	466	454	469	459	473	477	466	477	473	459	469	454	466	469	462	469	462
37.5	428	438	432	458	433	444	439	437	432	437	438	437	432	437	459	444	433	458	432	438	428
40	408	426	420	429	413	422	428	426	421	410	414	410	411	426	438	422	413	429	420	416	408
42.5	342	354	347	354	347	356	350	359	353	364	351	364	353	359	350	356	347	354	347	354	342
45	301	313	304	313	305	315	305	336	337	341	345	341	337	336	305	315	305	313	304	313	301
47.5	252	266	255	269	256	287	256	267	260	287	286	287	260	287	256	267	256	269	255	266	252
50	199	215	203	215	233	217	236	218	207	225	236	225	207	218	236	217	233	215	203	215	199
52.5	152	166	158	168	158	171	190	171	161	177	161	177	161	171	190	171	158	168	158	166	152
55	117	128	120	130	120	130	123	131	123	136	125	136	123	131	123	130	120	130	120	128	117
57.5	96	103	110	111	98	104	101	118	113	111	113	111	113	118	111	104	98	101	110	103	96
60	87	90	87	89	89	92	90	93	93	96	92	96	93	93	90	92	89	89	87	90	87
62.5	81	84	81	84	82	86	86	87	84	86	79	86	84	87	86	86	82	84	81	84	81
65	73	76	73	76	76	79	78	78	71	73	70	73	71	78	78	79	76	76	73	76	73
67.5	62	65	62	65	63	68	63	63	59	63	59	63	59	63	63	68	63	65	62	65	62
70	48	54	48	51	49	52	58	59	46	59	44	59	46	59	58	52	49	51	48	54	48
72.5	32	38	33	38	35	36	33	35	32	36	30	36	32	35	33	36	35	38	33	38	32
75	19	24	22	25	24	25	22	25	22	25	21	25	22	25	22	25	24	25	22	24	19
77.5	13	14	14	16	14	17	16	17	16	17	16	17	16	17	16	17	14	16	14	14	13
80	10	10	10	11	11	13	13	13	14	14	13	14	14	13	13	13	11	11	10	10	10
82.5	10	10	10	10	10	11	13	13	14	14	13	14	14	13	13	11	10	10	10	10	10
85	3	6	5	6	3	6	5	8	8	11	8	11	8	8	5	6	3	6	5	6	3
87.5	0	2	2	2	2	2	2	3	2	3	2	3	2	3	2	2	2	2	2	2	0
90	0	0	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0

Luminaire Report Summary

IESNA:LM-63-2002
 [ISSUEDATE]07/12/10
 [TEST]ITL98819
 [TESTLAB]INDEPENDENT TESTING LABORATORIES, INC.
 [DISTRIBUTOR]LED CANADA LIGHTS
 [LUMCAT]HTS-9AAR
 [LUMINAIRE]FABRICATED WHITE PAINTED METAL MOUNTING PLATE, EXTRUDED
 [MORE]FINNED CIRCULAR METAL HEAT SINK, ONE WHITE CIRCUIT BOARD WITH
 [MORE]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

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 Reported data calculated from manufacturer's data file, based on IES recommended methods.

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