

Photometrics Pro

Luminaire Photometric Report

Filename: HTS-9AR

Distributor: LED Canada Lights

Luminaire: FABRICATED WHITE PAINTED METAL MOUNTING PLATE, EXTRUDED FINNED METAL HEAT SINK, ONE WHITE CIRCUIT BOARD WITH 12 LEDS, OPEN SIDES. CIRCUIT BOARD STOOD-OFF OF LENS 1/4".

Luminaire Cat: HTS-9AR

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

Lamp Output: 1 lamp(s), rated Lumens/lamp: 2533.37

Max Candela: 1,428.0 at Horizontal: 0°, Vertical: 0°

Input Wattage: 30.65

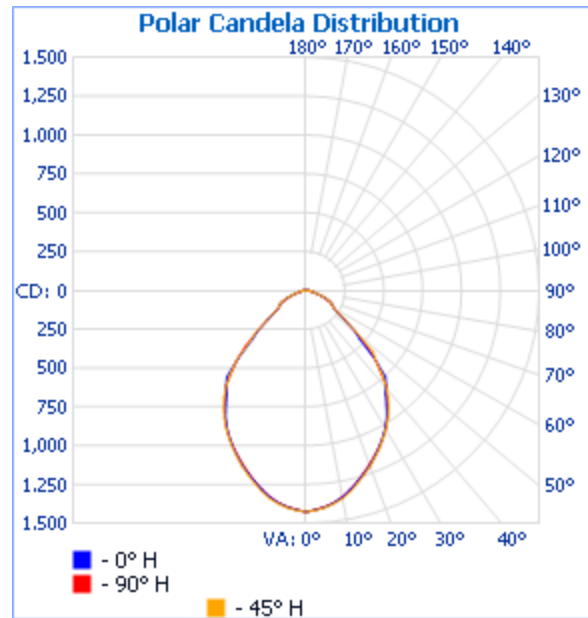
Luminous Opening: Rectangle (L: 0.58ft, W: 0.6ft)

Test: ITL91209

Test Lab: INDEPENDENT TESTING LABORATORIES, INC.

Photometry : Type C

CIE Class: Direct



Roadway Summary

Cutoff Classification:	FULL CUTOFF	
Distribution:	Type VS	
Max Cd, 90 Deg Vert:	0	
Max Cd, 80 to <90 Deg:	37.0	
	Lumens % Lamp	
Downward Street Side:	1,269.7	50.1%
Downward House Side:	1,263.7	49.9%
Downward Total:	2,533.4	100%
Upward Street Side:	0	0%
Upward House Side:	0	0%
Upward Total:	0	0%
Total Lumens:	2,533.4	100%

Zonal Lumen Summary

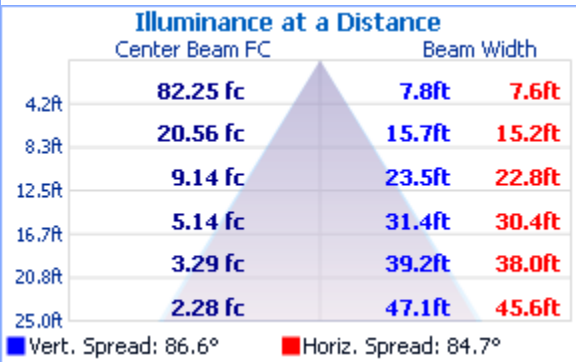
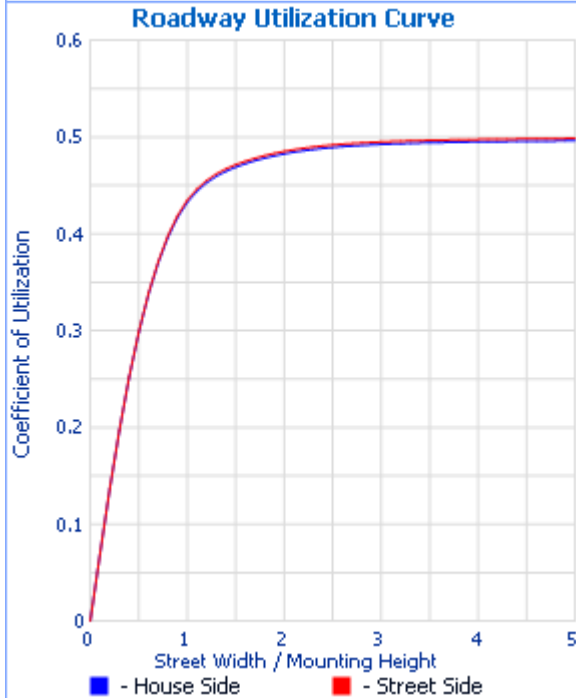
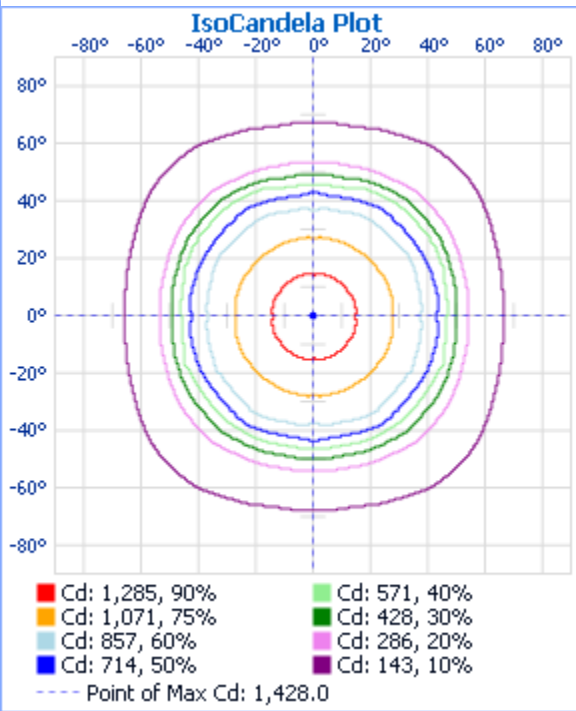
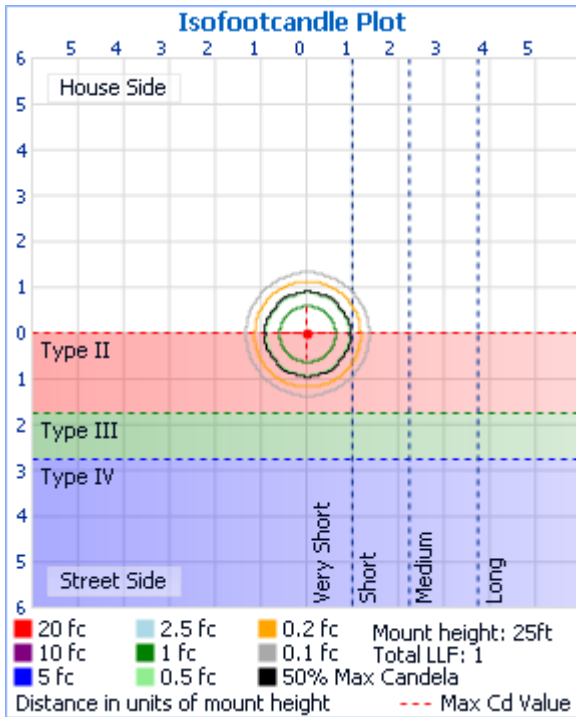
Zone	Lumens	% Lamp	% Luminaire
0-30	1,008.2	39.8%	39.8%
0-40	1,583.5	62.5%	62.5%
0-60	2,302.1	90.9%	90.9%
60-90	229.9	9.1%	9.1%
0-90	2,531.9	99.9%	100%
90-180	0	0%	0%
0-180	2,531.9	99.9%	100%

Flood Summary

	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	95.4%	2,416.1	131.7	134.5
Beam (50%):	68.5%	1,734.6	84.7	86.6
Total:	99.9%	2,531.8		

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	132.6	5.2%	90-100	0	0%
10-20	361.2	14.3%	100-110	0	0%
20-30	514.4	20.3%	110-120	0	0%
30-40	575.3	22.7%	120-130	0	0%
40-50	478.1	18.9%	130-140	0	0%
50-60	240.5	9.5%	140-150	0	0%
60-70	156.1	6.2%	150-160	0	0%
70-80	55.7	2.2%	160-170	0	0%
80-90	18.1	0.7%	170-180	0	0%



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	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142
2.5	1416	1418	1422	1419	1416	1418	1416	1424	1422	1416	1413	1416	1422	1424	1416	1418	1416	1419	1422	1418	1416
5	1402	1403	1409	1405	1402	1405	1403	1412	1412	1403	1399	1403	1412	1412	1403	1405	1402	1405	1409	1403	1402
7.5	1380	1385	1389	1386	1383	1386	1382	1392	1387	1383	1379	1383	1387	1392	1382	1386	1383	1386	1389	1385	1380
10	1352	1360	1360	1362	1352	1361	1352	1364	1359	1354	1349	1354	1359	1364	1352	1361	1352	1362	1360	1360	1352
12.5	1315	1325	1324	1331	1318	1327	1318	1330	1325	1321	1313	1321	1325	1330	1318	1327	1318	1331	1324	1325	1315
15	1276	1287	1285	1292	1280	1286	1276	1293	1285	1279	1274	1279	1285	1293	1276	1286	1280	1292	1285	1287	1276
17.5	1238	1247	1244	1252	1239	1245	1237	1250	1244	1239	1232	1239	1244	1250	1237	1245	1239	1252	1244	1247	1238
20	1201	1207	1207	1208	1198	1205	1196	1207	1203	1198	1192	1198	1203	1207	1196	1205	1198	1208	1207	1207	1201
22	1158	1166	1163	1169	1156	1162	1152	1165	1161	1158	1151	1158	1161	1165	1152	1162	1156	1169	1163	1166	1158

5																					
25	1115	1123	1120	1123	1110	1120	1112	1123	1119	1116	1111	1116	1119	1123	1112	1120	1110	1123	1120	1123	1115
27.5	1070	1077	1073	1077	1066	1074	1068	1078	1078	1074	1069	1074	1078	1078	1068	1074	1066	1077	1073	1077	1070
30	1021	1029	1025	1032	1019	1028	1024	1034	1033	1032	1025	1032	1033	1034	1024	1028	1019	1032	1025	1029	1021
32.5	967	976	974	980	968	980	972	984	984	983	973	983	984	984	972	980	968	980	974	976	967
35	902	916	914	924	912	924	917	928	924	924	914	924	924	928	917	924	912	924	914	916	902
37.5	841	867	860	863	887	868	856	892	862	860	851	860	862	855	858	868	887	886	862	867	841
40	799	787	797	848	788	798	834	800	797	799	803	799	797	850	784	798	838	798	797	837	799
42.5	756	714	709	723	767	716	707	720	760	764	708	764	760	720	707	716	767	723	709	714	756
45	626	630	626	635	633	630	620	635	627	635	628	635	627	635	620	630	618	635	616	630	616
47.5	471	480	471	582	570	585	572	590	578	540	523	490	578	490	470	487	473	486	471	484	471
50	408	429	410	422	408	424	407	425	413	424	410	424	413	425	407	424	408	422	410	429	408
52.5	314	327	319	320	310	325	313	328	319	328	311	328	319	328	313	325	310	320	316	327	313
55	245	252	243	247	241	250	245	255	247	253	247	253	247	255	245	250	241	247	243	252	245
57.5	208	209	203	206	204	208	209	213	209	212	211	212	209	213	209	208	204	206	203	209	208
60	195	196	190	189	190	195	195	199	198	198	196	198	198	199	195	195	190	189	190	196	195
62.5	186	187	180	181	181	186	186	189	181	180	177	180	181	189	186	186	181	181	180	187	186
65	169	172	163	166	166	172	167	166	155	156	152	156	155	166	167	172	166	166	163	172	169
67.5	140	144	137	140	137	143	134	132	128	128	125	128	128	132	134	143	137	140	137	144	140
70	106	113	103	107	101	106	95	98	95	97	96	97	95	98	95	106	101	107	103	113	106
72.5	71	79	73	76	69	71	64	69	66	69	66	69	66	69	64	71	69	76	73	79	71
75	45	48	47	49	46	46	43	46	43	47	45	47	43	46	43	46	46	49	47	48	45
77.5	30	33	32	33	31	32	32	31	31	31	31	31	31	31	32	32	31	33	32	33	30
80	26	26	26	26	26	26	27	26	27	26	28	26	27	26	27	26	26	26	26	26	26
82.5	32	32	32	30	30	31	33	35	36	35	37	35	36	35	33	31	30	30	32	32	32
85	19	20	19	16	16	16	16	17	19	19	21	19	19	17	16	16	16	16	19	20	19
87.5	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Luminaire Report Summary

IESNA:LM-63-2002
 [ISSUEDATE] 08/21/10
 [TEST] ITL91209
 [TESTLAB] INDEPENDENT TESTING LABORATORIES, INC.
 [DISTRIBUTOR] LED CANADA LIGHTS
 [LUMCAT] HTS-9AR
 [LUMINAIRE] FABRICATED WHITE PAINTED METAL MOUNTING PLATE, EXTRUDED
 [MORE] FINNED METAL HEAT SINK, ONE WHITE CIRCUIT BOARD WITH 12
 [MORE] LEDS, OPEN SIDES. CIRCUIT BOARD STOOD-OFF OF LENS 1/4".
 [LAMP] TWELVE WHITE LIGHT EMITTING DIODES (LEDS), VERTICAL
 [MORE] BASE-UP POSITION.
 [_LEDDRIVER] ETG 55W DRIVER INPUT 32.50W
 [_NOTE] DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED AT RATED INPUT
 [MORE] VOLTAGE (120VAC, 60Hz) TO THE LED DRIVER.

[OTHER]TOTAL INPUT WATTS = 30.65 AT 120.0 VOLTS
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[OTHER]TEST DISTANCE = 21.25 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.

Marek Szeliga

Vice-President

Telephone: 1-888-749-3757

Cell: 416-990-9909

Email: mszeliga@ledcanadalights.ca

<http://ledcanadalights.ca/>