

Photometrics Pro

Luminaire Photometric Report

- [Evaluation Version]

Filename: ITL69509-HTS9-CNP

Manufacturer: BARE DEVELOPMENT, INC.

Luminaire: FABRICATED WHITE PAINTED METAL MOUNTING PLATE, EXTRUDED FINNED METAL HEAT SINK, ONE WHITE CIRCUIT BOARD WITH 24 LEDS, OPEN SIDES. CIRCUIT BOARD STOOD-OFF OF LENS 1/4".

Luminaire Cat: HTS-9 Canopy Lens

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

Lamp Output: 1 lamp(s), rated Lumens/lamp: 2695

Max Candela: 1,518.0 at Horizontal: 65°, Vertical: 15°

Input Wattage: 57.4

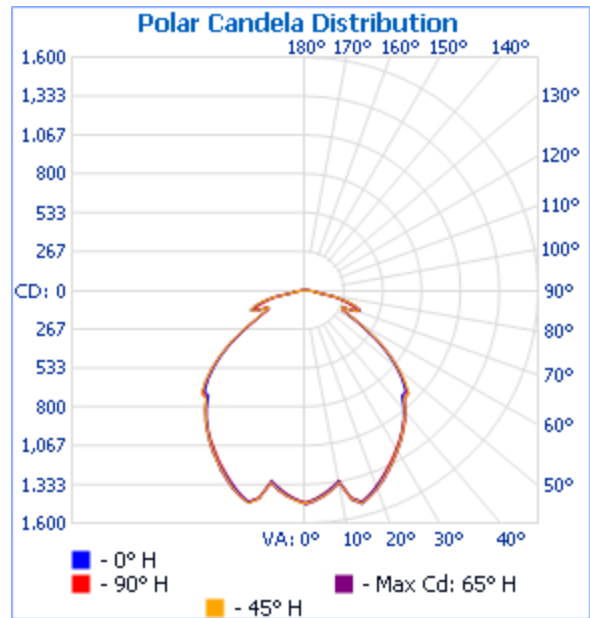
Luminous Opening: Rectangle (L: 0.58ft, W: 0.6ft)

Test: ITL69509

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:	80.0	
	Lumens	% Lamp
Downward Street Side:	1,921.8	71.3%
Downward House Side:	1,921.8	71.3%
Downward Total:	3,843.5	142.6%
Upward Street Side:	0	0%
Upward House Side:	0	0%
Upward Total:	0	0%
Total Lumens:	3,843.5	142.6%

Zonal Lumen Summary

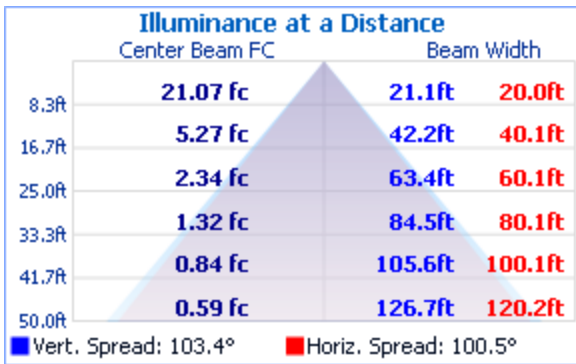
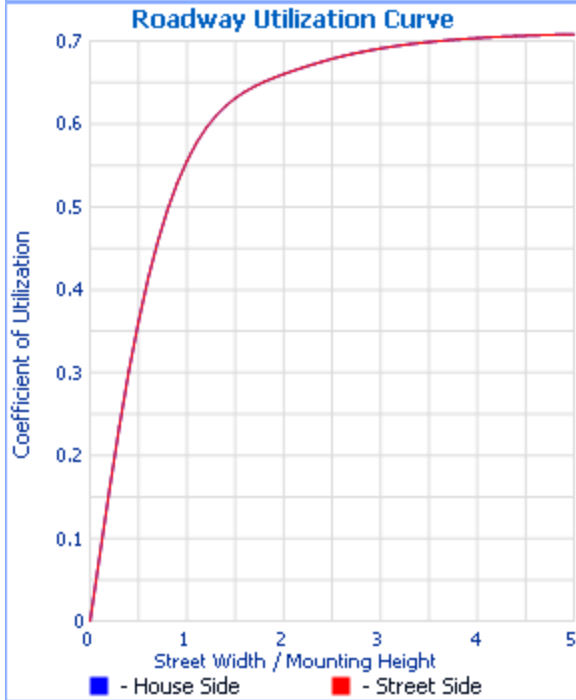
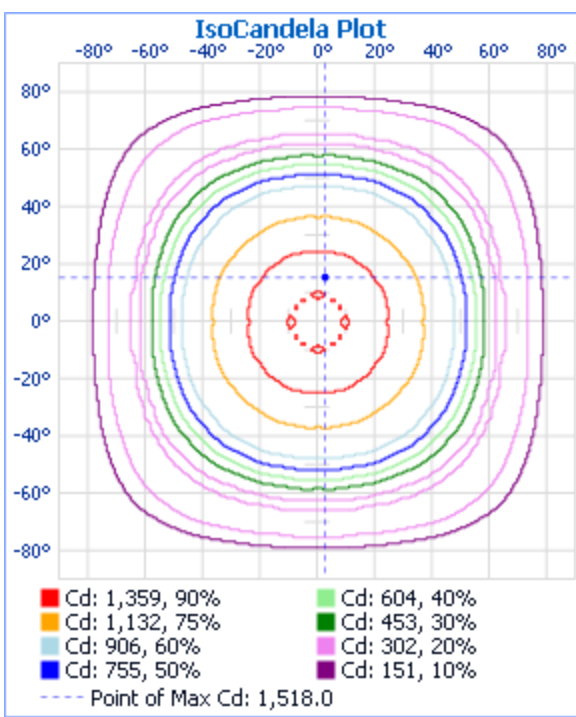
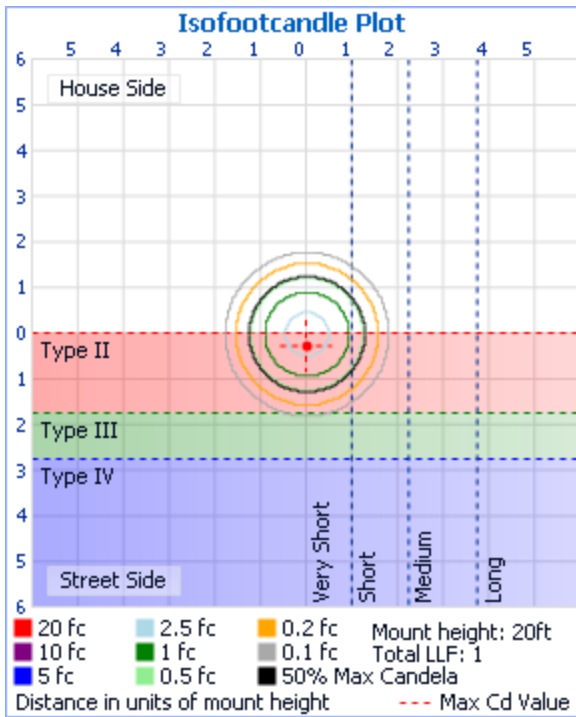
Zone	Lumens	% Lamp	% Luminaire
0-30	1,173.3	43.5%	30.5%
0-40	1,905.1	70.7%	49.6%
0-60	3,190.9	118.4%	83%
60-90	651.5	24.2%	17%
0-90	3,842.4	142.6%	100%
90-180	0	0%	0%
0-180	3,842.4	142.6%	100%
Efficiency Total:	142.6%		

Flood Summary

	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	140.2%	3,778.7	156.2	157.3
Beam (50%):	102.9%	2,773.6	100.5	103.4
Total:	142.5%	3,841.2		

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	132.6	3.5%	90-100	0	0%
10-20	415.8	10.8%	100-110	0	0%
20-30	624.9	16.3%	110-120	0	0%
30-40	731.8	19.0%	120-130	0	0%
40-50	745.8	19.4%	130-140	0	0%
50-60	540.0	14.1%	140-150	0	0%
60-70	327.4	8.5%	150-160	0	0%
70-80	284.6	7.4%	160-170	0	0%
80-90	39.5	1.0%	170-180	0	0%



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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	1463	1463	1470	1466	1463	1466	1463	1473	1473	1463	1457	1463	1473	1473	1463	1466	1463	1466	1470	1463	1463
2.5	1440	1445	1448	1446	1442	1446	1441	1452	1447	1442	1436	1442	1447	1452	1441	1446	1442	1446	1448	1445	1440
5	1410	1419	1419	1421	1410	1419	1410	1423	1418	1412	1405	1412	1418	1423	1410	1419	1410	1421	1419	1419	1410
7.5	1372	1382	1381	1389	1375	1384	1375	1388	1382	1377	1368	1377	1382	1388	1375	1384	1375	1389	1381	1382	1372
10	1331	1343	1340	1347	1335	1341	1331	1348	1340	1334	1326	1334	1340	1348	1331	1341	1335	1347	1340	1343	1331
12.5	1463	1463	1470	1466	1463	1466	1463	1473	1473	1463	1457	1463	1473	1473	1463	1466	1463	1466	1470	1463	1463
15	1505	1511	1514	1512	1508	1512	1507	1518	1512	1508	1501	1508	1512	1518	1507	1512	1508	1512	1514	1511	1505
17.5	1474	1483	1483	1486	1474	1484	1474	1488	1482	1477	1469	1477	1482	1488	1474	1484	1474	1486	1483	1483	1474

20	1434	1445	1443	1452	1437	1447	1437	1451	1445	1440	1430	1440	1445	1451	1437	1447	1437	1452	1443	1445	1434
22.5	1392	1404	1401	1409	1396	1402	1392	1409	1401	1395	1386	1395	1401	1409	1392	1402	1396	1409	1401	1404	1392
25	1350	1360	1356	1365	1351	1358	1349	1363	1356	1351	1341	1351	1356	1363	1349	1358	1351	1365	1356	1360	1350
27.5	1309	1317	1317	1317	1306	1313	1305	1317	1312	1306	1298	1306	1312	1317	1305	1313	1306	1317	1317	1317	1309
30	1262	1271	1268	1275	1260	1267	1256	1271	1266	1262	1252	1262	1266	1271	1256	1267	1260	1275	1268	1271	1262
32.5	1216	1225	1221	1225	1211	1221	1213	1225	1220	1217	1210	1217	1220	1225	1213	1221	1211	1225	1221	1225	1216
35	1167	1175	1170	1175	1163	1171	1165	1176	1176	1171	1164	1171	1176	1176	1165	1171	1163	1175	1170	1175	1167
37.5	1113	1122	1118	1125	1111	1121	1117	1128	1126	1125	1115	1125	1126	1128	1117	1121	1111	1125	1118	1122	1113
40	1054	1064	1062	1068	1056	1068	1060	1073	1073	1072	1058	1072	1073	1073	1060	1068	1056	1068	1062	1064	1054
42.5	983	998	996	1007	995	1007	1000	1012	1007	1007	995	1007	1007	1012	1000	1007	995	1007	996	998	983
45	976	990	988	1003	993	1005	995	1005	1001	999	986	999	1001	1005	995	1005	993	1003	988	990	976
47.5	905	914	914	927	915	927	910	923	914	918	907	918	914	923	910	927	915	927	914	914	905
50	820	829	823	840	827	838	821	836	825	829	819	829	825	836	821	838	827	840	823	829	820
52.5	715	732	715	737	718	732	719	737	728	738	726	738	728	737	719	732	718	737	715	732	715
55	605	620	605	622	608	624	604	627	613	627	605	627	613	627	604	624	608	622	605	620	605
57.5	473	498	476	490	473	492	472	494	479	492	473	492	479	494	472	492	473	490	476	498	473
60	363	379	367	371	360	377	363	381	370	381	360	381	370	381	363	377	360	371	367	379	363
62.5	284	292	282	287	279	290	284	296	287	294	284	294	287	296	284	290	279	287	282	292	284
65	280	283	274	278	276	280	282	287	283	286	282	286	283	287	282	280	276	278	274	283	280
67.5	370	371	360	358	360	368	370	378	376	376	368	376	376	378	370	368	360	358	360	371	370
70	396	398	383	387	387	396	396	403	387	383	373	383	387	403	396	396	387	387	383	398	396
72.5	360	365	347	353	355	365	356	355	331	333	320	333	331	355	356	365	355	353	347	365	360
75	299	308	292	299	292	304	284	283	272	272	263	272	272	283	284	304	292	299	292	308	299
77.5	227	241	220	229	216	227	202	209	202	207	200	207	202	209	202	227	216	229	220	241	227
80	57	57	59	57	57	59	61	59	61	59	57	59	61	59	61	59	57	57	59	57	57
82.5	72	72	72	67	67	68	74	78	80	78	78	78	80	78	74	68	67	67	72	72	72
85	42	44	42	36	36	36	36	38	42	42	42	42	42	38	36	36	36	36	42	44	42
87.5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
90	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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Luminaire Report Summary

IESNA:LM-63-2002
[ISSUEDATE]03/15/10
[TEST]ITL69509
[TESTLAB]INDEPENDENT TESTING LABORATORIES, INC.
[MANUFAC]BARE DEVELOPMENT, INC.
[LUMCAT]HTS-9 Canopy Lens
[LUMINAIRE]FABRICATED WHITE PAINTED METAL MOUNTING PLATE, EXTRUDED
[MORE]FINNED METAL HEAT SINK, ONE WHITE CIRCUIT BOARD WITH 24
[MORE]LEDS, OPEN SIDES. CIRCUIT BOARD STOOD-OFF OF LENS 1/4".
[LAMP]TWENTY-FOUR WHITE LIGHT EMITTING DIODES (LEDS), VERTICAL
[MORE]BASE-UP POSITION.
[_LEDDRIVER]HIGH PERFECTION TECH LP1090-24-GG-299
[_NOTE]DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED AT RATED INPUT
[MORE]VOLTAGE (120VAC, 60Hz) TO THE LED DRIVER.
[OTHER]TOTAL INPUT WATTS = 57.4 AT 120.0 VOLTS
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[OTHER]TEST DISTANCE = 33.25 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.