

Photometrics Pro

Luminaire Photometric Report

- [Evaluation Version]

Filename: HTS9 Bare Development ITL62039

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

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: 3402

Max Candela: 1,917.0 at Horizontal: 0°, Vertical: 0°

Input Wattage: 57.4

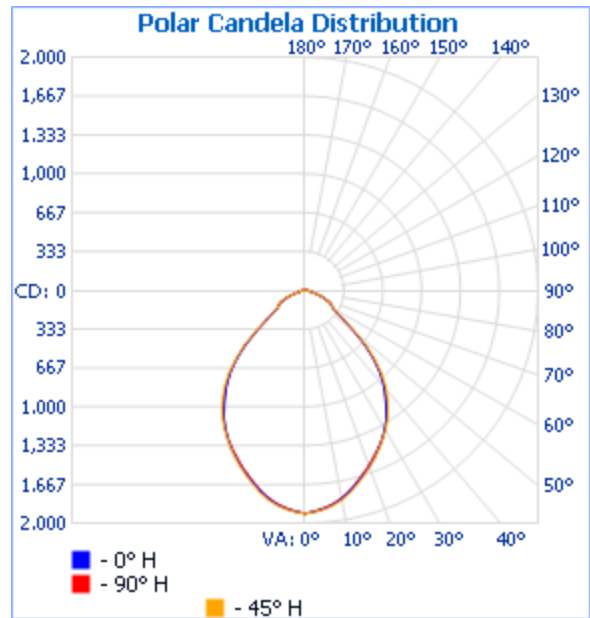
Luminous Opening: Rectangle (L: 0.58ft, W: 0.6ft)

Test: ITL64039

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:	48.0	
	Lumens	% Lamp
Downward Street Side:	1,695.9	49.8%
Downward House Side:	1,695.9	49.8%
Downward Total:	3,391.8	99.7%
Upward Street Side:	0	0%
Upward House Side:	0	0%
Upward Total:	0	0%
Total Lumens:	3,391.8	99.7%

Zonal Lumen Summary

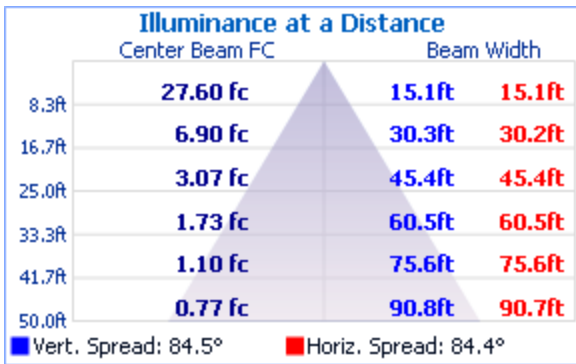
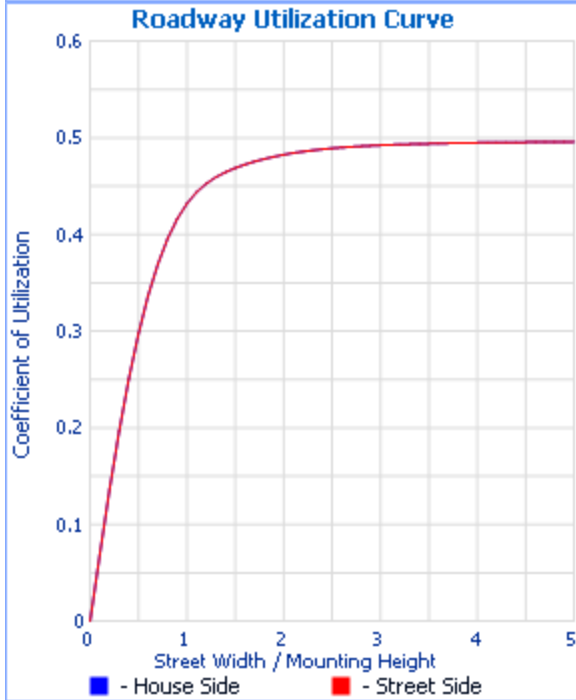
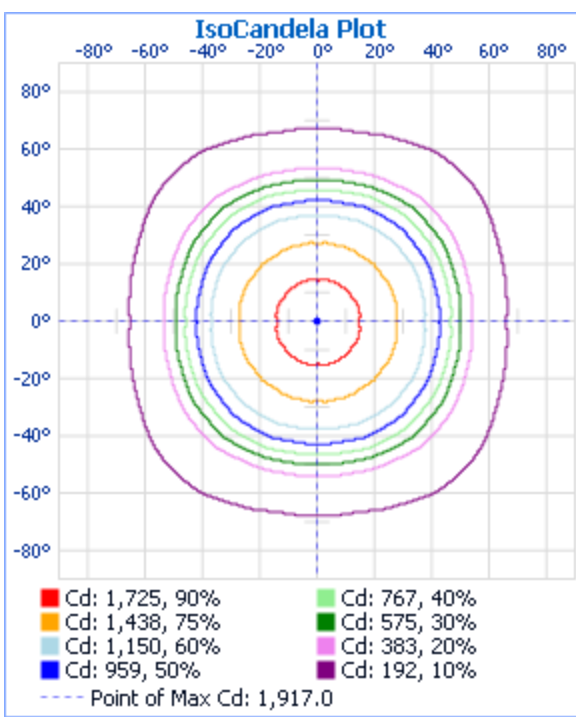
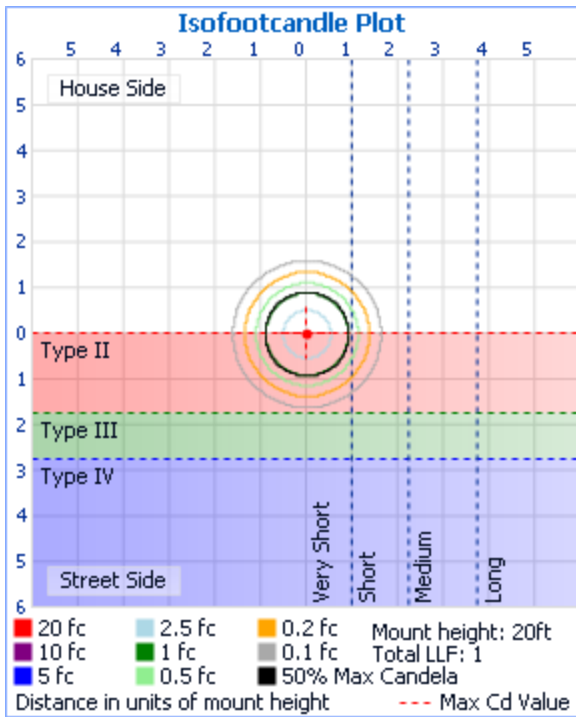
Zone	Lumens	% Lamp	% Luminaire
0-30	1,353.9	39.8%	39.9%
0-40	2,122.3	62.4%	62.6%
0-60	3,082.3	90.6%	90.9%
60-90	307.5	9%	9.1%
0-90	3,389.8	99.6%	100%
90-180	0	0%	0%
0-180	3,389.8	99.6%	100%
Efficiency Total: 99.6%			

Flood Summary

	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	95.1%	3,233.8	131.4	134.5
Beam (50%):	67.6%	2,300.6	84.4	84.5
Total:	99.6%	3,388.8		

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	178.1	5.3%	90-100	0	0%
10-20	485.1	14.3%	100-110	0	0%
20-30	690.7	20.4%	110-120	0	0%
30-40	768.4	22.7%	120-130	0	0%
40-50	637.5	18.8%	130-140	0	0%
50-60	322.6	9.5%	140-150	0	0%
60-70	209.3	6.2%	150-160	0	0%
70-80	74.4	2.2%	160-170	0	0%
80-90	23.8	0.7%	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	191 7	191 7	191 7	191 7	191 7	191 7	191 7	191 7	191 7	191 7	191 7	191 7	191 7	191 7	191 7	191 7	191 7	191 7	191 7	191 7	191 7
2.5	1902	1905	1909	1906	1901	1905	1901	1913	1910	1902	1897	1902	1910	1913	1901	1905	1901	1906	1909	1905	1902
5	1883	1884	1892	1888	1883	1888	1884	1897	1897	1884	1876	1884	1897	1897	1884	1888	1883	1888	1892	1884	1883
7.5	1854	1860	1865	1862	1857	1862	1856	1869	1863	1857	1849	1857	1863	1869	1856	1862	1857	1862	1865	1860	1854
10	1815	1826	1826	1830	1815	1828	1815	1832	1825	1818	1809	1818	1825	1832	1815	1828	1815	1830	1826	1826	1815
12.5	1766	1780	1778	1788	1770	1782	1770	1787	1780	1773	1761	1773	1780	1787	1770	1782	1770	1788	1778	1780	1766
15	1714	1729	1726	1735	1719	1727	1714	1736	1726	1718	1707	1718	1726	1736	1714	1727	1719	1735	1726	1729	1714

17.5	1662	1675	1670	1681	1664	1672	1661	1678	1670	1664	1652	1664	1670	1678	1661	1672	1664	1681	1670	1675	1662
20	1612	1621	1621	1622	1609	1617	1607	1621	1616	1609	1599	1609	1616	1621	1607	1617	1609	1622	1621	1621	1612
22.5	1554	1566	1561	1570	1552	1560	1547	1565	1559	1554	1542	1554	1559	1565	1547	1560	1552	1570	1561	1566	1554
25	1498	1508	1503	1508	1491	1503	1493	1508	1502	1499	1490	1499	1502	1508	1493	1503	1491	1508	1503	1508	1498
27.5	1437	1447	1441	1447	1432	1442	1434	1448	1448	1442	1433	1442	1448	1448	1434	1442	1432	1447	1441	1447	1437
30	1371	1382	1377	1386	1369	1380	1375	1389	1387	1386	1373	1386	1387	1389	1375	1380	1369	1386	1377	1382	1371
32.5	1298	1311	1307	1315	1301	1315	1305	1321	1321	1320	1303	1320	1321	1321	1305	1315	1301	1315	1307	1311	1298
35	1211	1229	1227	1241	1225	1241	1232	1246	1241	1241	1225	1241	1241	1246	1232	1241	1225	1241	1227	1229	1211
37.5	1128	1144	1142	1159	1148	1161	1150	1161	1157	1155	1140	1155	1157	1161	1150	1161	1148	1159	1142	1144	1128
40	1046	1057	1057	1072	1058	1072	1053	1067	1057	1062	1049	1062	1057	1067	1053	1072	1058	1072	1057	1057	1046
42.5	948	959	952	971	956	969	949	966	954	959	947	959	954	966	949	969	956	971	952	959	948
45	827	846	827	852	830	846	832	852	842	853	840	853	842	852	832	846	830	852	827	846	827
47.5	699	717	699	719	702	722	698	725	709	725	699	725	709	725	698	722	702	719	699	717	699
50	547	576	551	567	547	569	546	571	554	569	547	569	554	571	546	569	547	567	551	576	547
52.5	419	438	424	429	416	436	419	441	428	441	416	441	428	441	419	436	416	429	424	438	419
55	329	338	326	332	323	335	329	342	332	340	329	340	332	342	329	335	323	332	326	338	329
57.5	279	281	272	276	274	279	280	286	281	284	280	284	281	286	280	279	274	276	272	281	279
60	262	263	255	254	255	261	262	267	266	266	261	266	266	267	262	261	255	254	255	263	262
62.5	249	250	241	244	244	249	249	254	244	241	235	241	244	254	249	249	244	244	241	250	249
65	227	230	219	222	223	230	224	223	208	210	202	210	208	223	224	230	223	222	219	230	227
67.5	188	194	184	188	184	191	179	178	171	171	165	171	171	178	179	191	184	188	184	194	188
70	143	152	138	144	136	143	127	131	127	130	126	130	127	131	127	143	136	144	138	152	143
72.5	95	105	97	102	93	95	86	92	88	92	86	92	88	92	86	95	93	102	97	105	95
75	60	65	62	66	61	61	58	61	58	62	57	62	58	61	58	61	61	66	62	65	60
77.5	40	44	43	44	41	43	43	41	41	41	40	41	41	41	43	43	41	44	43	44	40
80	34	34	35	34	34	35	36	35	36	35	34	35	36	35	36	35	34	34	35	34	34
82.5	43	43	43	40	40	41	44	46	48	46	46	46	48	46	44	41	40	40	43	43	43
85	25	26	25	22	22	22	22	23	25	25	25	25	25	23	22	22	22	22	25	26	25
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

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Luminaire Report Summary

IESNA:LM-63-2002
 [ISSUEDATE] 03/15/10
 [TEST] ITL64039
 [TESTLAB] INDEPENDENT TESTING LABORATORIES, INC.
 [MANUFAC] BARE DEVELOPMENT, INC.
 [LUMCAT] HTS-9
 [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.