

# Photometrics Pro

## Luminaire Photometric Report

- [Evaluation Version]

**Filename:** ITL64039-HTS-9r

**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-9R

**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: 4655

**Max Candela:** 2,623.0 at Horizontal: 0°, Vertical: 0°

**Input Wattage:** 62.93

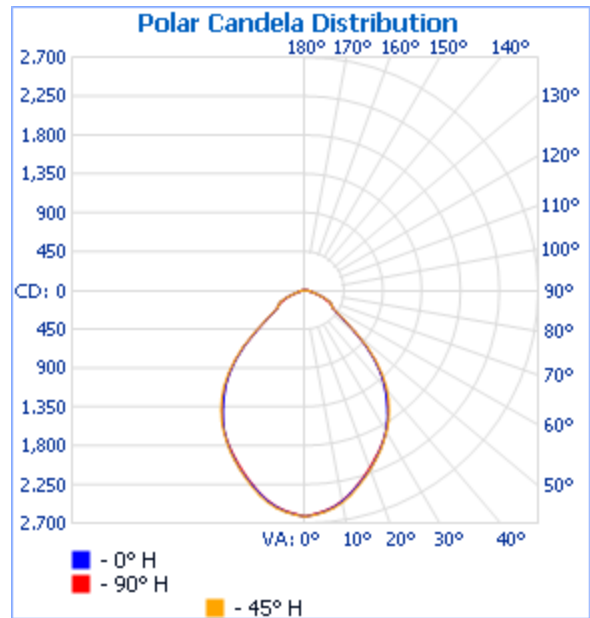
**Luminous Opening:** Rectangle (L: 0.58ft, W: 0.6ft)

**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:	65.0	
	Lumens	% Lamp
Downward Street Side:	2,320.2	49.8%
Downward House Side:	2,320.2	49.8%
Downward Total:	4,640.4	99.7%
Upward Street Side:	0	0%
Upward House Side:	0	0%
Upward Total:	0	0%
Total Lumens:	4,640.4	99.7%

### Zonal Lumen Summary

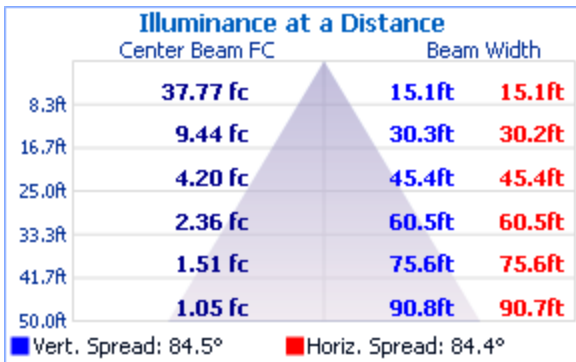
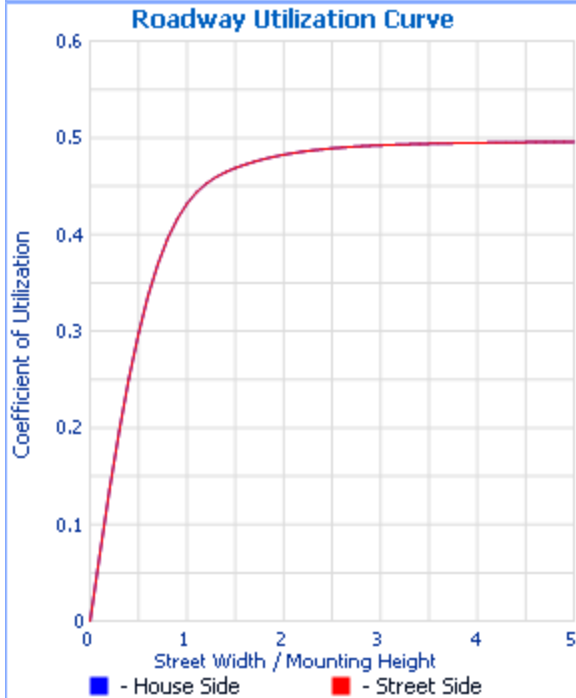
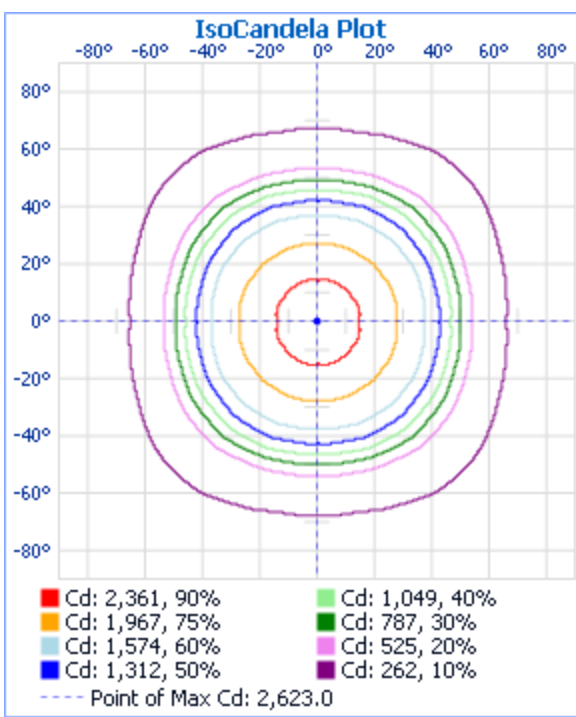
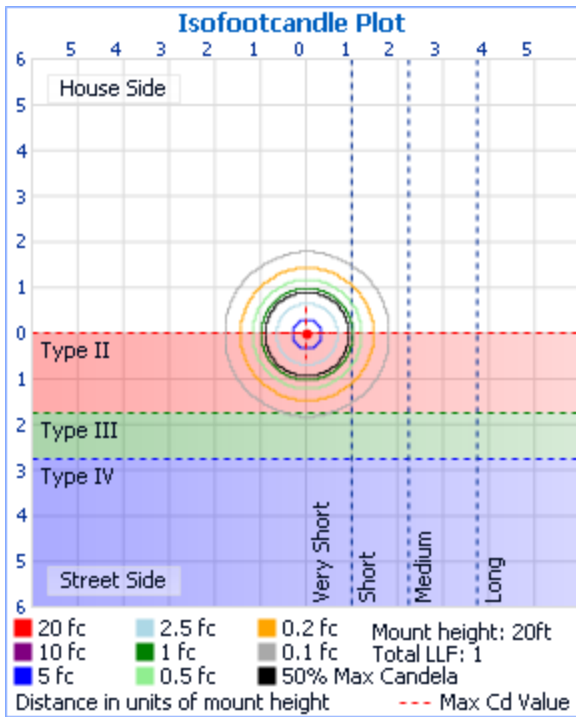
Zone	Lumens	% Lamp	% Luminaire
0-30	1,852.2	39.8%	39.9%
0-40	2,903.4	62.4%	62.6%
0-60	4,216.8	90.6%	90.9%
60-90	420.9	9%	9.1%
0-90	4,637.7	99.6%	100%
90-180	0	0%	0%
0-180	4,637.7	99.6%	100%
Efficiency Total: 99.6%			

### Flood Summary

	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	95%	4,424.1	131.4	134.5
Beam (50%):	67.6%	3,147.4	84.4	84.5
Total:	99.6%	4,636.4		

### Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	243.6	5.3%	90-100	0	0%
10-20	663.6	14.3%	100-110	0	0%
20-30	945.0	20.4%	110-120	0	0%
30-40	1,051.2	22.7%	120-130	0	0%
40-50	872.1	18.8%	130-140	0	0%
50-60	441.3	9.5%	140-150	0	0%
60-70	286.4	6.2%	150-160	0	0%
70-80	101.9	2.2%	160-170	0	0%
80-90	32.7	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	262 3	262 3	262 3	262 3	262 3	262 3	262 3	262 3	262 3	262 3	262 3	262 3	262 3	262 3	262 3	262 3	262 3	262 3	262 3	262 3	262 3
2.5	2602	2606	2612	2607	2601	2606	2601	2616	2613	2602	2595	2602	2613	2616	2601	2606	2601	2607	2612	2606	2602
5	2576	2578	2589	2582	2576	2582	2578	2595	2595	2578	2567	2578	2595	2595	2578	2582	2576	2582	2589	2578	2576
7.5	2536	2545	2551	2547	2540	2547	2539	2558	2548	2540	2530	2540	2548	2558	2539	2547	2540	2547	2551	2545	2536
10	2483	2499	2499	2503	2483	2500	2483	2506	2497	2488	2475	2488	2497	2506	2483	2500	2483	2503	2499	2499	2483
12.5	2416	2435	2432	2446	2421	2438	2421	2444	2435	2426	2409	2426	2435	2444	2421	2438	2421	2446	2432	2435	2416
15	2345	2365	2361	2373	2351	2362	2345	2375	2361	2350	2336	2350	2361	2375	2345	2362	2351	2373	2361	2365	2345

17.5	2274	2291	2285	2300	2277	2288	2272	2296	2285	2277	2260	2277	2285	2296	2272	2288	2277	2300	2285	2291	2274
20	2206	2218	2218	2220	2201	2212	2198	2218	2210	2201	2187	2201	2210	2218	2198	2212	2201	2220	2218	2218	2206
22.5	2127	2142	2136	2148	2124	2134	2116	2141	2133	2127	2110	2127	2133	2141	2116	2134	2124	2148	2136	2142	2127
25	2049	2063	2057	2063	2040	2057	2043	2063	2055	2051	2038	2051	2055	2063	2043	2057	2040	2063	2057	2063	2049
27.5	1965	1979	1972	1979	1959	1973	1962	1981	1981	1973	1961	1973	1981	1981	1962	1973	1959	1979	1972	1979	1965
30	1876	1891	1883	1896	1872	1888	1882	1900	1897	1896	1879	1896	1897	1900	1882	1888	1872	1896	1883	1891	1876
32.5	1776	1793	1789	1800	1779	1800	1786	1807	1807	1806	1783	1806	1807	1807	1786	1800	1779	1800	1789	1793	1776
35	1657	1682	1679	1697	1676	1697	1685	1705	1697	1697	1676	1697	1697	1705	1685	1697	1676	1697	1679	1682	1657
37.5	1544	1566	1562	1586	1570	1589	1573	1589	1583	1579	1559	1579	1583	1589	1573	1589	1570	1586	1562	1566	1544
40	1431	1446	1446	1466	1448	1466	1440	1460	1446	1452	1435	1452	1446	1460	1440	1466	1448	1466	1446	1446	1431
42.5	1297	1311	1302	1328	1308	1325	1299	1322	1305	1311	1296	1311	1305	1322	1299	1325	1308	1328	1302	1311	1297
45	1132	1158	1132	1166	1136	1158	1138	1166	1152	1167	1149	1167	1152	1166	1138	1158	1136	1166	1132	1158	1132
47.5	956	981	956	984	961	987	955	992	970	992	956	992	970	992	955	987	961	984	956	981	956
50	749	787	753	775	749	778	747	781	758	778	749	778	758	781	747	778	749	775	753	787	749
52.5	574	600	580	587	569	597	574	603	586	603	569	603	586	603	574	597	569	587	580	600	574
55	450	462	446	454	442	459	450	468	454	465	450	465	454	468	450	459	442	454	446	462	450
57.5	381	384	372	378	375	381	383	391	384	389	383	389	384	391	383	381	375	378	372	384	381
60	358	360	349	347	349	357	358	366	364	364	357	364	364	366	358	357	349	347	349	360	358
62.5	341	343	330	333	333	341	341	347	333	330	321	330	333	347	341	341	333	333	330	343	341
65	310	315	299	304	305	315	307	305	285	287	276	287	285	305	307	315	305	304	299	315	310
67.5	257	265	251	257	251	262	245	243	234	234	226	234	234	243	245	262	251	257	251	265	257
70	195	208	189	197	186	195	174	180	174	178	172	178	174	180	174	195	186	197	189	208	195
72.5	130	144	133	140	127	130	118	126	121	126	118	126	121	126	118	130	127	140	133	144	130
75	82	88	85	90	84	84	79	84	79	85	78	85	79	84	79	84	84	90	85	88	82
77.5	54	60	59	60	56	59	59	56	56	56	54	56	56	56	59	59	56	60	59	60	54
80	47	47	48	47	47	48	50	48	50	48	47	48	50	48	50	48	47	47	48	47	47
82.5	59	59	59	54	54	56	60	64	65	64	64	64	65	64	60	56	54	54	59	59	59
85	34	36	34	29	29	29	29	31	34	34	34	34	34	31	29	29	29	29	34	36	34
87.5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
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-9R  
 [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]ETG 75W  
[\_NOTE]DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED AT RATED INPUT  
[MORE]VOLTAGE (120VAC, 60Hz) TO THE LED DRIVER.  
[OTHER]TOTAL INPUT WATTS = 62.93 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.