

# Photometrics Pro

## Luminaire Photometric Report

- [Evaluation Version]

**Filename:** HTS-9 Double Bare Development ITL69890

**Manufacturer:** BARE DEVELOPMENT, INC.

**Luminaire:** FABRICATED WHITE PAINTED METAL MOUNTING PLATE, EXTRUDED FINNED METAL HEAT SINK, TWO WHITE CIRCUIT BOARDs WITH TOTAL OF 48 LEDS, OPEN SIDES. CIRCUIT BOARD STOOD-OFF OF LENS 1/4".

**Luminaire Cat:** DOUBLE HTS-9

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

**Lamp Output:** 1 lamp(s), rated Lumens/lamp: 6804

**Max Candela:** 3,834.0 at Horizontal: 0°, Vertical: 0°

**Input Wattage:** 114.8

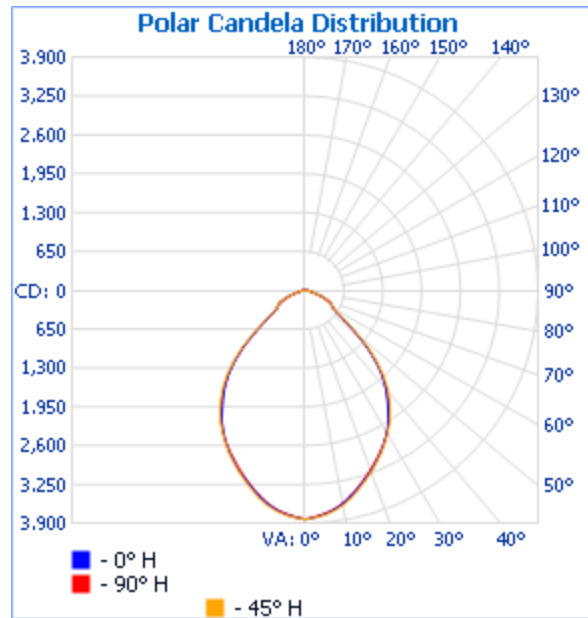
**Luminous Opening:** Rectangle (L: 0.58ft, W: 0.6ft)

**Test:** ITL69890

**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:	95.0	
	Lumens	% Lamp
Downward Street Side:	3,391.9	49.9%
Downward House Side:	3,391.9	49.9%
Downward Total:	6,783.8	99.7%
Upward Street Side:	0	0%
Upward House Side:	0	0%
Upward Total:	0	0%
Total Lumens:	6,783.8	99.7%

### Zonal Lumen Summary

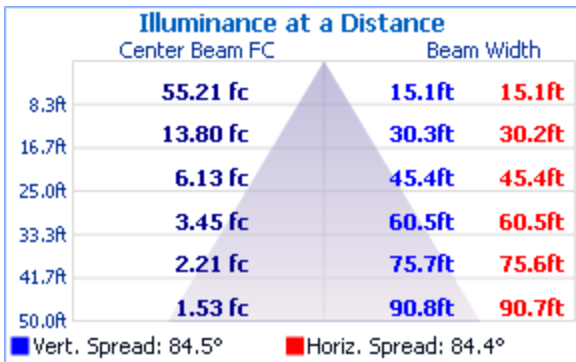
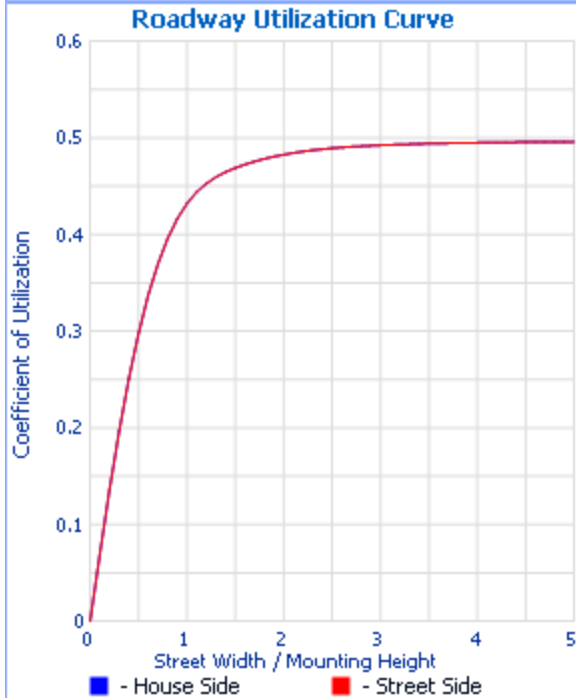
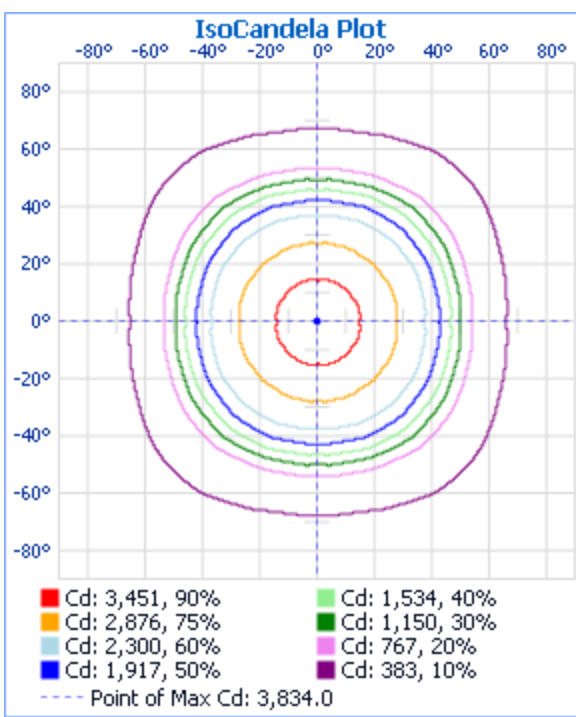
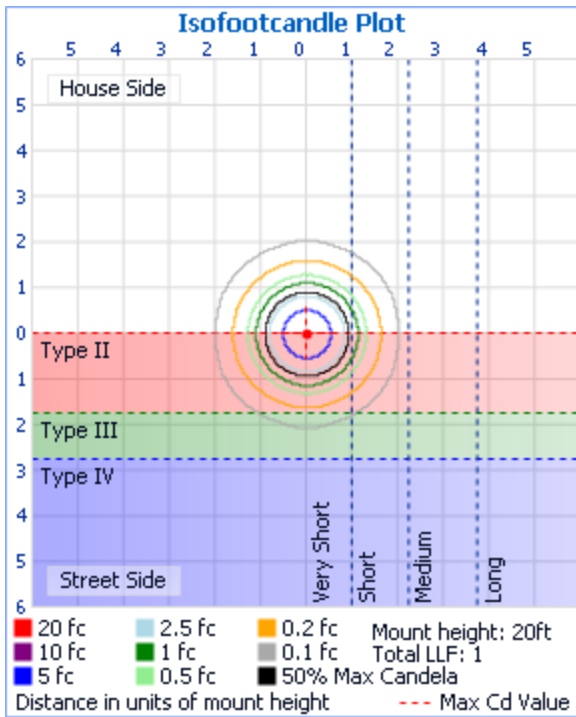
Zone	Lumens	% Lamp	% Luminaire
0-30	2,707.8	39.8%	39.9%
0-40	4,244.6	62.4%	62.6%
0-60	6,164.6	90.6%	90.9%
60-90	615.3	9%	9.1%
0-90	6,779.9	99.6%	100%
90-180	0	0%	0%
0-180	6,779.9	99.6%	100%

### Flood Summary

	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	95.1%	6,469.3	131.4	134.5
Beam (50%):	67.6%	4,602.5	84.4	84.5
Total:	99.6%	6,779.5		

### Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	356.1	5.3%	90-100	0	0%
10-20	970.1	14.3%	100-110	0	0%
20-30	1,381.6	20.4%	110-120	0	0%
30-40	1,536.8	22.7%	120-130	0	0%
40-50	1,275.0	18.8%	130-140	0	0%
50-60	645.1	9.5%	140-150	0	0%
60-70	418.7	6.2%	150-160	0	0%
70-80	148.9	2.2%	160-170	0	0%
80-90	47.7	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	383 4	383 4	383 4	383 4	383 4	383 4	383 4	383 4	383 4	383 4	383 4	383 4	383 4	383 4	383 4	383 4	383 4	383 4	383 4	383 4	383 4
2.5	3805	3809	3818	3811	3802	3809	3802	3825	3820	3805	3793	3805	3820	3825	3802	3809	3802	3811	3818	3809	3805
5	3766	3768	3784	3775	3766	3775	3768	3793	3793	3768	3752	3768	3793	3793	3768	3775	3766	3775	3784	3768	3766
7.5	3707	3721	3730	3723	3714	3723	3712	3739	3725	3714	3698	3714	3725	3739	3712	3723	3714	3723	3730	3721	3707
10	3630	3653	3653	3660	3630	3655	3630	3664	3651	3637	3619	3637	3651	3664	3630	3655	3630	3660	3653	3653	3630
12.5	3533	3560	3555	3576	3539	3564	3539	3573	3560	3546	3521	3546	3560	3573	3539	3564	3539	3576	3555	3560	3533
15	3428	3458	3451	3469	3438	3453	3428	3472	3451	3435	3415	3435	3451	3472	3428	3453	3438	3469	3451	3458	3428

17.5	3324	3349	3340	3363	3329	3345	3322	3356	3340	3329	3304	3329	3340	3356	3322	3345	3329	3363	3340	3349	3324
20	3225	3243	3243	3245	3218	3234	3213	3243	3231	3218	3197	3218	3231	3243	3213	3234	3218	3245	3243	3243	3225
22.5	3109	3132	3123	3141	3104	3120	3093	3129	3118	3109	3084	3109	3118	3129	3093	3120	3104	3141	3123	3132	3109
25	2996	3016	3007	3016	2982	3007	2987	3016	3005	2998	2980	2998	3005	3016	2987	3007	2982	3016	3007	3016	2996
27.5	2873	2894	2882	2894	2864	2885	2869	2896	2896	2885	2866	2885	2896	2896	2869	2885	2864	2894	2882	2894	2873
30	2742	2765	2753	2771	2737	2760	2751	2778	2774	2771	2746	2771	2774	2778	2751	2760	2737	2771	2753	2765	2742
32.5	2597	2622	2615	2631	2601	2631	2610	2642	2642	2640	2606	2640	2642	2642	2610	2631	2601	2631	2615	2622	2597
35	2422	2459	2454	2481	2450	2481	2463	2493	2481	2481	2450	2481	2481	2493	2463	2481	2450	2481	2454	2459	2422
37.5	2257	2289	2284	2318	2295	2323	2300	2323	2314	2309	2280	2309	2314	2323	2300	2323	2295	2318	2284	2289	2257
40	2092	2114	2114	2144	2116	2144	2105	2135	2114	2123	2098	2123	2114	2135	2105	2144	2116	2144	2114	2114	2092
42.5	1897	1917	1903	1942	1913	1937	1899	1933	1908	1917	1894	1917	1908	1933	1899	1937	1913	1942	1903	1917	1897
45	1654	1693	1654	1704	1661	1693	1663	1704	1684	1706	1679	1706	1684	1704	1663	1693	1661	1704	1654	1693	1654
47.5	1398	1434	1398	1439	1405	1443	1396	1450	1419	1450	1398	1450	1419	1450	1396	1443	1405	1439	1398	1434	1398
50	1094	1151	1101	1133	1094	1138	1092	1142	1108	1138	1094	1138	1108	1142	1092	1138	1094	1133	1101	1151	1094
52.5	838	877	847	859	832	872	838	881	857	881	832	881	857	881	838	872	832	859	847	877	838
55	657	675	653	664	646	671	657	684	664	680	657	680	664	684	657	671	646	664	653	675	657
57.5	557	562	544	553	548	557	560	571	562	569	560	569	562	571	560	557	548	553	544	562	557
60	523	526	510	508	510	521	523	535	533	533	521	533	533	535	523	521	510	508	510	526	523
62.5	499	501	483	487	487	499	499	508	487	483	469	483	487	508	499	499	487	487	483	501	499
65	453	460	437	444	446	460	449	446	417	419	403	419	417	446	449	460	446	444	437	460	453
67.5	376	387	367	376	367	383	358	356	342	342	331	342	342	356	358	383	367	376	367	387	376
70	286	304	276	288	272	286	254	263	254	261	252	261	254	263	254	286	272	288	276	304	286
72.5	190	211	195	204	186	190	172	184	177	184	172	184	177	184	172	190	186	204	195	211	190
75	120	129	125	131	122	122	116	122	116	125	113	125	116	122	116	122	122	131	125	129	120
77.5	79	88	86	88	82	86	86	82	82	82	79	82	82	82	86	86	82	88	86	88	79
80	68	68	70	68	68	70	73	70	73	70	68	70	73	70	73	70	68	68	70	68	68
82.5	86	86	86	79	79	82	88	93	95	93	93	93	95	93	88	82	79	79	86	86	86
85	50	52	50	43	43	43	43	45	50	50	50	50	50	45	43	43	43	43	43	50	50
87.5	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
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] 04/12/10  
 [TEST] ITL69890  
 [TESTLAB] INDEPENDENT TESTING LABORATORIES, INC.  
 [MANUFAC] BARE DEVELOPMENT, INC.  
 [LUMCAT] DOUBLE HTS-9  
 [LUMINAIRE] FABRICATED WHITE PAINTED METAL MOUNTING PLATE, EXTRUDED  
 [MORE] FINNED METAL HEAT SINK, TWO WHITE CIRCUIT BOARDS WITH TOTAL OF 48

[MORE]LEDS, OPEN SIDES. CIRCUIT BOARD STOOD-OFF OF LENS 1/4".  
[LAMP]FORTY-EIGHT 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 = 114.8 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.