

# Photometrics Pro

## Luminaire Photometric Report

**Filename:** 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. 81.85 EFFICIENCY DRIVER INPUT 24V 64.84W VOLTAGE (120VAC, 60Hz) TO THE LED DRIVER.

**Lamp Output:** 1 lamp(s), rated Lumens/lamp: 5066.73

**Max Candela:** 1,613.3 at Horizontal: 0°, Vertical: 0°

**Input Wattage:** 58.6

**Luminous Opening:** Rectangle (L: 0.83ft, W: 0.6ft)

**Test:** ITL64039

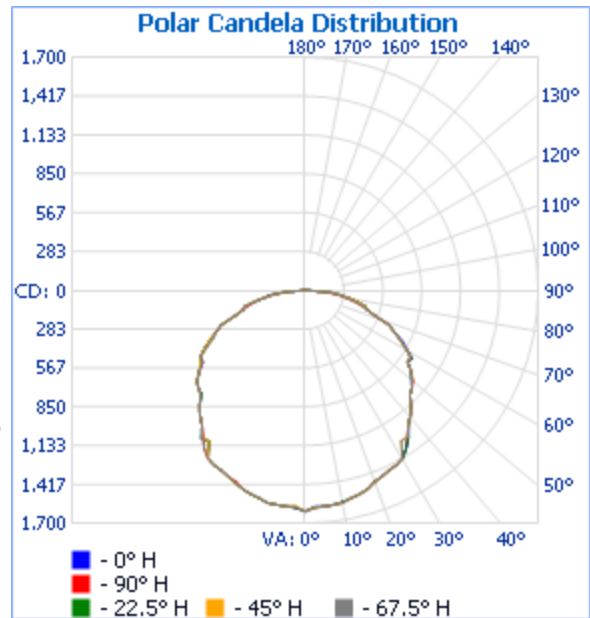
**Test Lab:** INDEPENDENT TESTING LABORATORIES, INC.

**Photometry :** Type C

**CIE Class:** Direct

**Cutoff Class:** Full Cutoff

**Nema Type:** 7 X 7

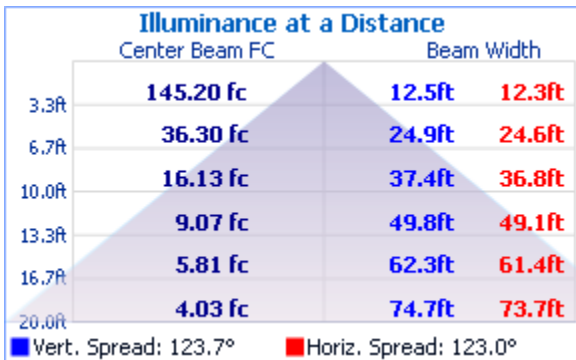
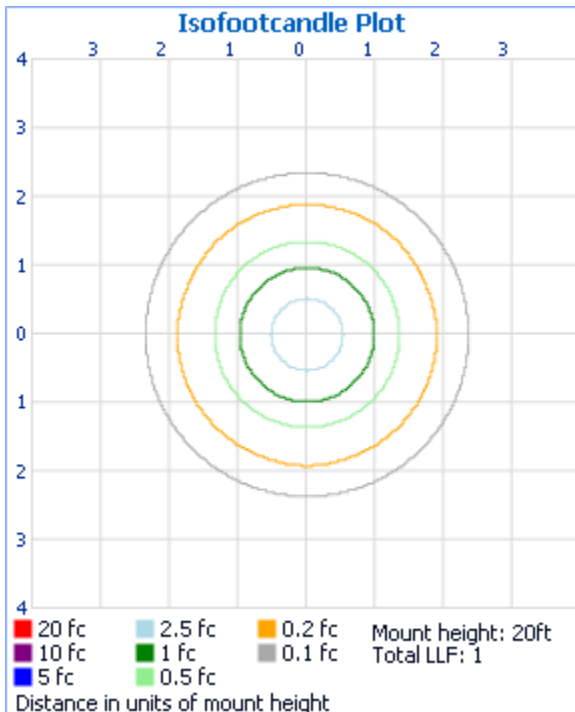


### Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	1,256.8	24.8%	24.8%
0-40	2,068.2	40.8%	40.8%
0-60	3,752.4	74.1%	74.1%
60-90	1,313.3	25.9%	25.9%
0-90	5,065.7	100%	100%
90-180	0	0%	0%
0-180	5,065.7	100%	100%

### Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	150.8	3.0%	90-100	0	0%
10-20	434.3	8.6%	100-110	0	0%
20-30	671.7	13.3%	110-120	0	0%
30-40	811.4	16.0%	120-130	0	0%
40-50	847.1	16.7%	130-140	0	0%
50-60	837.1	16.5%	140-150	0	0%
60-70	705.3	13.9%	150-160	0	0%
70-80	454.1	9.0%	160-170	0	0%
80-90	153.8	3.0%	170-180	0	0%



**Coefficients Of Utilization - Zonal Cavity Method**

Effective Floor Cavity Reflectance: 20%

RCC %:	80				70				50			30			10			0
RW %:	70	50	30	0	70	50	30	0	50	30	20	50	30	20	50	30	20	0
RCR: 0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.00	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1	1.08	1.02	.98	.94	1.05	1.00	.96	.82	.96	.92	.89	.92	.89	.86	.88	.86	.84	.82
2	.97	.88	.81	.75	.95	.86	.80	.68	.83	.77	.72	.80	.75	.71	.76	.72	.69	.67
3	.88	.77	.68	.61	.86	.75	.67	.57	.72	.65	.60	.70	.64	.59	.67	.62	.58	.55
4	.81	.68	.59	.52	.78	.67	.58	.49	.64	.56	.50	.62	.55	.50	.59	.54	.49	.47
5	.74	.60	.51	.44	.72	.59	.50	.42	.57	.49	.43	.55	.48	.43	.53	.47	.42	.40
6	.68	.54	.45	.38	.66	.53	.44	.37	.51	.44	.38	.50	.43	.37	.48	.42	.37	.35
7	.63	.49	.40	.34	.61	.48	.40	.33	.47	.39	.33	.45	.38	.33	.44	.38	.33	.31
8	.59	.45	.36	.30	.57	.44	.36	.29	.43	.35	.30	.41	.34	.29	.40	.34	.29	.27
9	.55	.41	.33	.27	.53	.40	.32	.26	.39	.32	.27	.38	.31	.26	.37	.31	.26	.24
10	.51	.38	.30	.24	.50	.37	.29	.24	.36	.29	.24	.35	.29	.24	.34	.28	.24	.22

**Luminaire Report Summary**

IESNA:LM-63-2002  
 [ISSUE DATE] 07/15/10  
 [TEST] ITL64039  
 [TEST LAB] 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.  
 [MORE] 81.85 EFFICIENCY DRIVER INPUT 24V 64.84W  
 [\_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 = 58.6 AT 120.0 VOLTS  
 [OTHER] TEST PROCEDURE: IESNA LM-79-08  
 [OTHER] TEST DISTANCE = 33.25 FEET  
 FILE: CANDELA MULTIPLIER: 1  
 FILE: VERTICAL ANGLES: 73, HORIZONTAL ANGLES: 17  
 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.