## **Photometrics Pro**

## **Luminaire Photometric Report**

Filename: HTS-9AAR

Manufacturer: BARE DEVELOPMENT, INC.

Luminaire: FABRICATED WHITE PAINTED METAL MOUNTING PLATE, EXTRUDED FINNED CIRCULAR METAL HEAT SINK, ONE

BOARD STOOD-OFF OF LENS 1/8".

Luminaire Cat: HTS-9AAR

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

WHITE CIRCUIT BOARD WITH OPEN SIDES, CIRCUIT

LED DRIVER.

Lamp Output: 1 lamp(s), rated Lumens/lamp: 1266 Max Candela: 702.6 at Horizontal: 65°, Vertical: 2.5°

Input Wattage: 15.8

Luminous Opening: Rectangle (L: 0.3ft, W: 0.6ft)

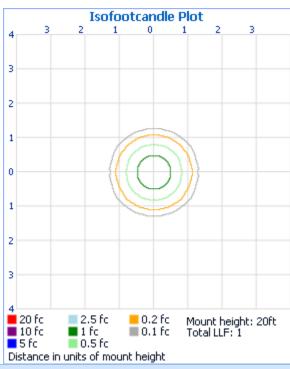
Test: ITL98819

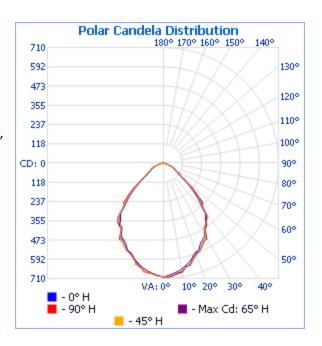
Test Lab: INDEPENDENT TESTING LABORATORIES, INC.

Photometry: Type C CIE Class: Direct Cutoff Class: Cutoff Nema Type: 6 X 7

## **Zonal Lumen Summary**

Zone	Lumens	% Lamp	% Luminaire
0-30	501.7	39.6%	39.7%
0-40	792.6	62.6%	62.6%
0-60	1,157.7	91.4%	91.5%
60-90	107.6	8.5%	8.5%
0-90	1,265.3	99.9%	100%
90-180	0	0%	0%
0-180	1,265.3	99.9%	100%





Lumens Per Zone										
Zone	Lumens	% Total	Zone	Lumens %	Total					
0-10	64.9	5.1%	90-100	0	0%					
10-20	178.3	14.1%	100-110	0	0%					
20-30	258.5	20.4%	110-120	0	0%					
30-40	290.9	23.0%	120-130	0	0%					
40-50	241.4	19.1%	130-140	0	0%					
50-60	123.7	9.8%	140-150	0	0%					
60-70	72.7	5.7%	150-160	0	0%					
70-80	27.9	2.2%	160-170	0	0%					
80-90	7.0	0.6%	170-180	0	0%					



Effective Floor Cavity Reflectance: 20%

<i>80</i>				<i>70</i>			<i>50</i>			<i>30</i>			<i>10</i>		0		
<u>70</u>	<u>50</u>	30	0	<u>70</u>	<u>50</u>	30	0	<u>50</u>	30	20	<u>50</u>	30	20	<u>50</u>	30	20	0
1.19	1.19	1.19	1.19	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
1.11	1.07	1.04	1.01	1.08	1.05	1.02	.89	1.01	.98	.96	.97	.95	.93	.94	.92	.91	.89
1.03	.96	.91	.86	1.01	.95	.90	.79	.91	.87	.83	.88	.85	.81	.85	.82	.80	.78
.96	.87	.80	.75	.93	.85	.79	.70	.82	.77	.73	.80	.75	.72	.77	.74	.70	.68
.89	.78	.71	.65	.87	.77	.70	.62	.75	.69	.64	.73	.68	.63	.71	.66	.63	.61
.82	.71	.64	.58	.80	.70	.63	.56	.68	.62	.57	.66	.61	.56	.65	.60	.56	.54
.77	.65	.57	.52	.75	.64	.57	.50	.63	.56	.51	.61	.55	.51	.59	.54	.50	.48
.72	.60	.52	.47	.70	.59	.52	.45	.57	.51	.46	.56	.50	.46	.55	.50	.45	.44
.67	.55	.47	.42	.66	.54	.47	.41	.53	.46	.42	.52	.46	.42	.51	.45	.41	.40
.63	.51	.43	.38	.62	.50	.43	.38	.49	.43	.38	.48	.42	.38	.47	.42	.38	.36
.59	.47	.40	.35	.58	.47	.40	.35	.46	.39	.35	.45	.39	.35	.44	.39	.35	.33
	1.19 1.11 1.03 .96 .89 .82 .77 .72 .67	70 50 1.19 1.19 1.11 1.07 1.03 .96 .96 .87 .89 .78 .82 .71 .77 .65 .72 .60 .67 .55 .63 .51	70         50         30           1.19         1.19         1.19           1.11         1.07         1.04           1.03         .96         .91           .96         .87         .80           .89         .78         .71           .82         .71         .64           .77         .65         .57           .72         .60         .52           .67         .55         .47           .63         .51         .43	70         50         30         0           1.19         1.19         1.19         1.19           1.11         1.07         1.04         1.01           1.03         .96         .91         .86           .96         .87         .80         .75           .89         .78         .71         .65           .82         .71         .64         .58           .77         .65         .57         .52           .72         .60         .52         .47           .67         .55         .47         .42           .63         .51         .43         .38	70         50         30         0         70           1.19         1.19         1.19         1.19         1.16           1.11         1.07         1.04         1.01         1.08           1.03         .96         .91         .86         1.01           .96         .87         .80         .75         .93           .89         .78         .71         .65         .87           .82         .71         .64         .58         .80           .77         .65         .57         .52         .75           .72         .60         .52         .47         .70           .67         .55         .47         .42         .66           .63         .51         .43         .38         .62	70         50         30         0         70         50           1.19         1.19         1.19         1.16         1.16           1.11         1.07         1.04         1.01         1.08         1.05           1.03         .96         .91         .86         1.01         .95           .96         .87         .80         .75         .93         .85           .89         .78         .71         .65         .87         .77           .82         .71         .64         .58         .80         .70           .77         .65         .57         .52         .75         .64           .72         .60         .52         .47         .70         .59           .67         .55         .47         .42         .66         .54           .63         .51         .43         .38         .62         .50	70         50         30         0           1.19         1.19         1.19         1.16         1.16         1.16           1.11         1.07         1.04         1.01         1.08         1.05         1.02           1.03         .96         .91         .86         1.01         .95         .90           .96         .87         .80         .75         .93         .85         .79           .89         .78         .71         .65         .87         .77         .70           .82         .71         .64         .58         .80         .70         .63           .77         .65         .57         .52         .75         .64         .57           .72         .60         .52         .47         .70         .59         .52           .67         .55         .47         .42         .66         .54         .47           .63         .51         .43         .38         .62         .50         .43	70         50         30         0           1.19         1.19         1.19         1.16         1.16         1.16         1.00           1.11         1.07         1.04         1.01         1.08         1.05         1.02         .89           1.03         .96         .91         .86         1.01         .95         .90         .79           .96         .87         .80         .75         .93         .85         .79         .70           .89         .78         .71         .65         .87         .77         .70         .62           .82         .71         .64         .58         .80         .70         .63         .56           .77         .65         .57         .52         .75         .64         .57         .50           .72         .60         .52         .47         .70         .59         .52         .45           .67         .55         .47         .42         .66         .54         .47         .41           .63         .51         .43         .38         .62         .50         .43         .38	70         50         30         0         70         50         30         0         50           1.19         1.19         1.19         1.19         1.16         1.16         1.16         1.00         1.11           1.11         1.07         1.04         1.01         1.08         1.05         1.02         .89         1.01           1.03         .96         .91         .86         1.01         .95         .90         .79         .91           .96         .87         .80         .75         .93         .85         .79         .70         .82           .89         .78         .71         .65         .87         .77         .70         .62         .75           .82         .71         .64         .58         .80         .70         .63         .56         .68           .77         .65         .57         .52         .75         .64         .57         .50         .63           .72         .60         .52         .47         .70         .59         .52         .45         .57           .67         .55         .47         .42         .66         .54         .47	70         50         30         0         70         50         30         0         50         30         1.16         1.16         1.16         1.16         1.00         1.11         1.12         2.22         2.77         .82         .77         .82         .77         .82         .77         .82         .77         .82         .77         .69         .82         .77         .69         .62         .56         .68         .62	70         50         30         0         70         50         30         0         50         30         20           1.19         1.19         1.19         1.16         1.16         1.16         1.00         1.11	70         50         30         0           1.19         1.19         1.19         1.16         1.16         1.00         1.11         1.06         1.00         1.11	70         50         30         0         70         50         30         0         1.19         1.19         1.19         1.19         1.19         1.16         1.16         1.16         1.00         1.11	70         50         30         0           1.19         1.19         1.19         1.16         1.16         1.06         1.00         1.11	70         50         30         0         70         50         30         0         50         30         20         50         30         20         50         30         20         50         30         20         50         30         20         50         30         20         50         30         20         50         30         20         50         30         20         50         30         20         50         1.06         1.06         1.06         1.02         1.01         1.11	70         50         30         0         70         50         30         0         50         30         20         50         30         20         50         30         20         50         30         20         50         30         20         50         30         20         50         30         20         50         30         20         50         30         20         50         30         20         1.02         1.02         1.01         1.11	70         50         30         0         70         50         30         0         50         30         20         50         30         20         50         30         20         50         30         20         50         30         20         50         30         20         1.02         30         20         1.02         1.02         1.01         1.11

## **Luminaire Report Summary**

IESNA:LM-63-2002
[ISSUEDATE]07/12/10

[TEST] ITL98819

[TESTLAB] INDEPENDENT TESTING LABORATORIES, INC.

[MANUFAC] BARE DEVELOPMENT, INC.

[LUMCAT]HTS-9AAR

[LUMINAIRE] FABRICATED WHITE PAINTED METAL MOUNTING PLATE, EXTRUDED

[MORE] FINNED CIRCULAR METAL HEAT SINK, ONE WHITE CIRCUIT BOARD WITH

[MORE]OPEN SIDES. CIRCUIT BOARD STOOD-OFF OF LENS 1/8".

[LAMP] SIX WHITE LIGHT EMITTING DIODES (LEDS), VERTICAL

[MORE] BASE-UP POSITION.

[ LEDDRIVER]MEAN WELL LPV-35-24

[ NOTE]DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED AT RATED INPUT

[MORE] VOLTAGE (120VAC, 60Hz) TO THE LED DRIVER.

[OTHER] TOTAL INPUT WATTS = 15.8 AT 120.0 VOLTS

[OTHER] TEST PROCEDURE: IESNA LM-79-08

[OTHER]TEST DISTANCE = 15.25 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.