

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 WHITE CIRCUIT BOARD WITH OPEN SIDES. CIRCUIT 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 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: 0.09m, W: 0.18m)

Test: ITL98819

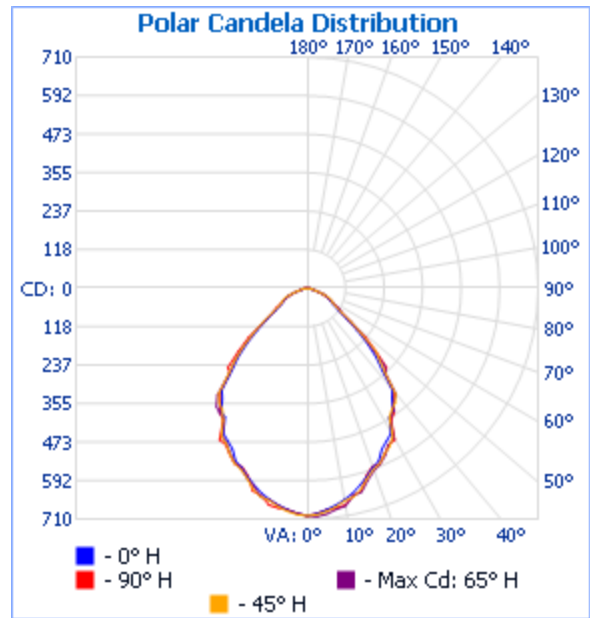
Test Lab: INDEPENDENT TESTING LABORATORIES, INC.

Photometry : Type C

CIE Class: Direct

Cutoff Class: Cutoff

Nema Type: 6 X 7

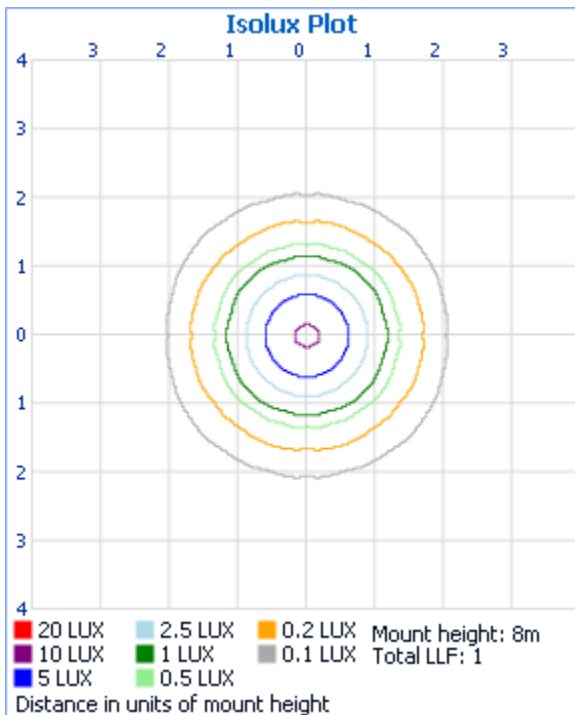


Zonal Lumen Summary

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%



	Illuminance at a Distance	
	Center Beam LUX	Beam Width
1.3m	393.47 LUX	2.4m 2.5m
2.7m	98.37 LUX	4.9m 5.0m
4.0m	43.72 LUX	7.3m 7.5m
5.3m	24.59 LUX	9.8m 10.0m
6.7m	15.74 LUX	12.2m 12.6m
8.0m	10.93 LUX	14.6m 15.1m

■ Vert. Spread: 84.9° ■ Horiz. Spread: 86.6°

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

RCC %:	80				70				50			30			10			0
RW %:	<u>70</u>	<u>50</u>	<u>30</u>	<u>0</u>	<u>70</u>	<u>50</u>	<u>30</u>	<u>0</u>	<u>50</u>	<u>30</u>	<u>20</u>	<u>50</u>	<u>30</u>	<u>20</u>	<u>50</u>	<u>30</u>	<u>20</u>	<u>0</u>
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	1.11	1.07	1.04	1.01	1.08	1.05	1.02	.89	1.01	.98	.96	.97	.95	.93	.94	.92	.91	.89
2	1.03	.96	.91	.86	1.01	.95	.90	.79	.91	.87	.83	.88	.85	.81	.85	.82	.80	.78
3	.96	.87	.80	.75	.93	.85	.79	.70	.82	.77	.73	.80	.75	.72	.77	.74	.70	.68
4	.89	.78	.71	.65	.87	.77	.70	.62	.75	.69	.64	.73	.68	.63	.71	.66	.63	.61
5	.82	.71	.64	.58	.80	.70	.63	.56	.68	.62	.57	.66	.61	.56	.65	.60	.56	.54
6	.77	.65	.57	.52	.75	.64	.57	.50	.63	.56	.51	.61	.55	.51	.59	.54	.50	.48
7	.72	.60	.52	.47	.70	.59	.52	.45	.57	.51	.46	.56	.50	.46	.55	.50	.45	.44
8	.67	.55	.47	.42	.66	.54	.47	.41	.53	.46	.42	.52	.46	.42	.51	.45	.41	.40
9	.63	.51	.43	.38	.62	.50	.43	.38	.49	.43	.38	.48	.42	.38	.47	.42	.38	.36
10	.59	.47	.40	.35	.58	.47	.40	.35	.46	.39	.35	.45	.39	.35	.44	.39	.35	.33

Luminaire Report Summary

IESNA:LM-63-2002
 [ISSUE DATE] 07/12/10
 [TEST] ITL98819
 [TEST LAB] INDEPENDENT TESTING LABORATORIES, INC.
 [MANUFACTURER] BARE DEVELOPMENT, INC.
 [LUMEN CATEGORY] 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.