

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

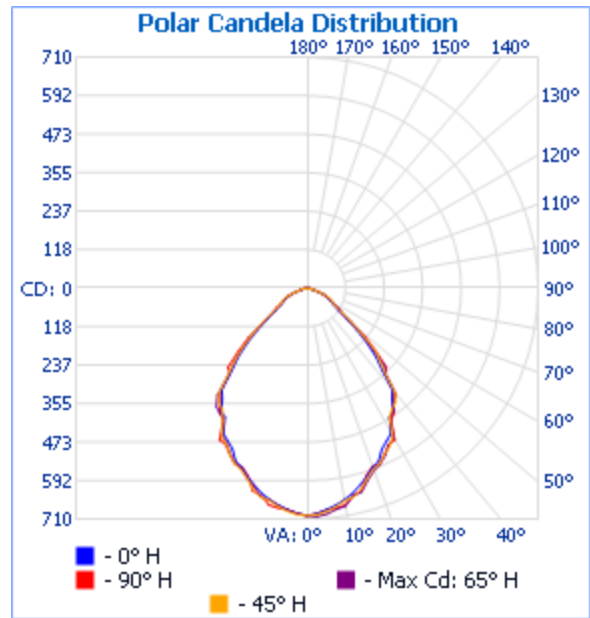
Test Lab: INDEPENDENT TESTING LABORATORIES, INC.

Photometry : Type C

CIE Class: Direct

Cutoff Class: Cutoff

Nema Type: 6 X 7

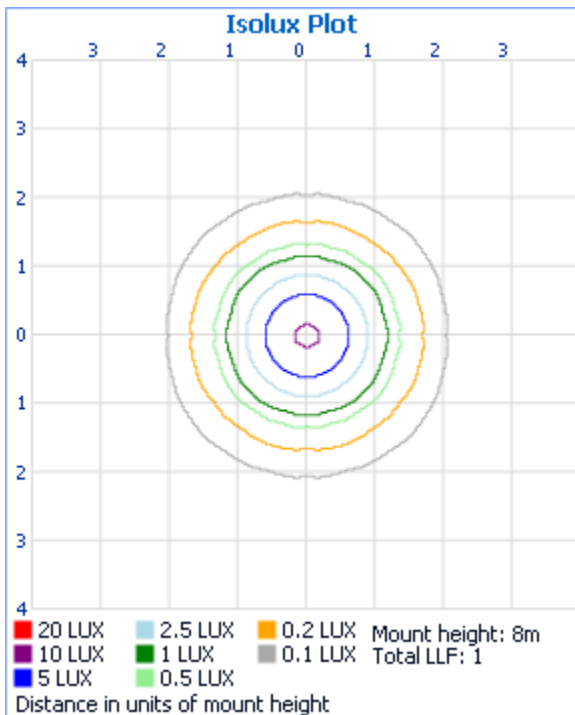


Zonal Lumen Summary

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%



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