

Photometrics Pro

Luminaire Photometric Report

Filename: HTS-8R-FLAT-COBRAHEAD

Manufacturer: BARE DEVELOPMENT, INC.

Luminaire: 36 LED LIGHT BOARD FLAT LENS HOWARD RL1F FIXTURE
87.3W INPUT

Luminaire Cat: HTS-8R FLAT LENS COBRAHEAD

Lamp: LED

Lamp Cat: NA. LUMINAIRE OUTPUT = 7588.6 LMS

Lamp Output: 1 lamp(s), rated Lumens/lamp: 7588.6

Max Candela: 2,410.8 at Horizontal: 180°, Vertical: 0°

Input Wattage: 87.3

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

Test: C8568L

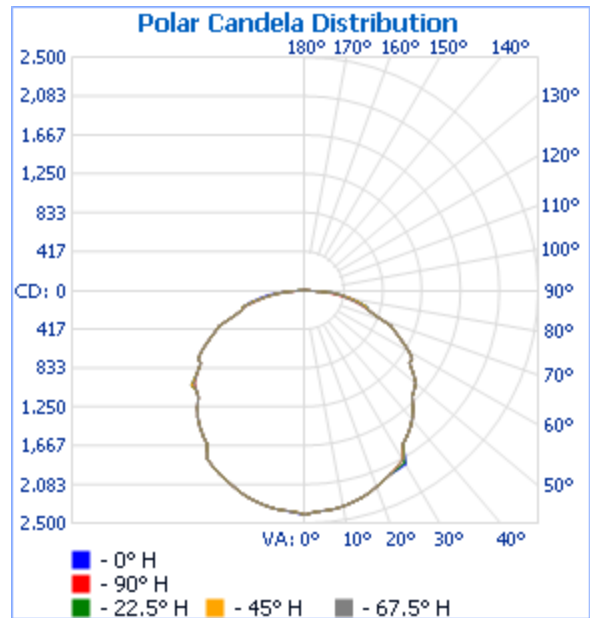
Test Lab: Intertek

Photometry : Type C

CIE Class: Direct

Cutoff Class: Full Cutoff

Nema Type: 7 X 7

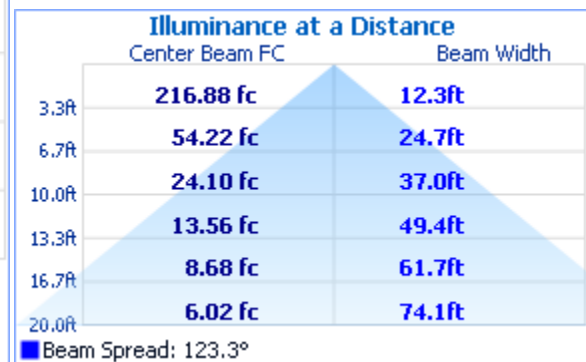
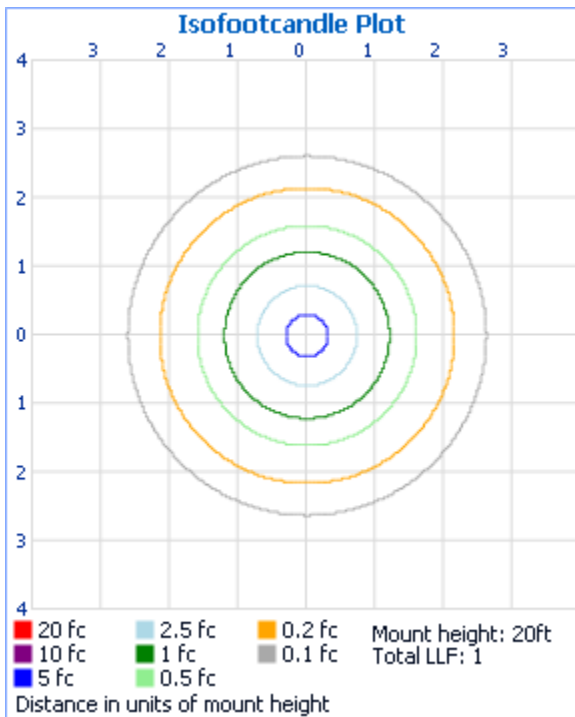


Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	1,881.5	24.8%	24.8%
0-40	3,081.4	40.6%	40.6%
0-60	5,610.9	73.9%	74%
60-90	1,976.2	26%	26%
0-90	7,587.1	100%	100%
90-180	0	0%	0%
0-180	7,587.1	100%	100%

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	226.2	3.0%	90-100	0	0%
10-20	651.7	8.6%	100-110	0	0%
20-30	1,003.6	13.2%	110-120	0	0%
30-40	1,199.9	15.8%	120-130	0	0%
40-50	1,273.6	16.8%	130-140	0	0%
50-60	1,255.9	16.6%	140-150	0	0%
60-70	1,059.2	14.0%	150-160	0	0%
70-80	683.3	9.0%	160-170	0	0%
80-90	233.7	3.1%	170-180	0	0%



Coefficients Of Utilization - Zonal Cavity Method

RCC %:

80

70

50

Effective Floor Cavity Reflectance: 20%

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	1.08	1.02	.98	.93	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	.79	.75	.70	.76	.72	.69	.67
3	.88	.77	.68	.61	.86	.75	.67	.57	.72	.65	.60	.70	.64	.59	.67	.62	.58	.55
4	.80	.68	.59	.52	.78	.66	.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	.37	.33	.31
8	.59	.45	.36	.30	.57	.44	.36	.29	.43	.35	.30	.41	.34	.29	.40	.34	.29	.27
9	.55	.41	.32	.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
 [TEST]C8568L
 [TESTLAB]Intertek
 [ISSUE DATE] 7/30/2010
 [MANUFAC]BARE DEVELOPMENT, INC.
 [LUMCAT]HTS-8R FLAT LENS COBRAHEAD
 [LUMINAIRE]36 LED LIGHT BOARD
 [MORE]FLAT LENS HOWARD RL1F FIXTURE 87.3W INPUT
 [LAMP]LED
 [LAMPCAT]NA. LUMINAIRE OUTPUT = 7588.6 LMS
 [OTHER]24.005V, 3.1786A, 92.85W
 [OTHER]TEST PROCEDURE: IESNA LM-79-08
 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.