

Photometrics Pro

Luminaire Photometric Report

Filename: HTS-9R-Drop-Cobrahead

Manufacturer: BARE DEVELOPMENT, INC.

Luminaire: HTS-9R Drop Lens Cobrahead 80.19 EFFICIENCY DRIVER INPUT 64.84W

Luminaire Cat: 24 LED LIGHT BOARD / RL1D ROADWAY LIGHT (COBRAHEAD)

Lamp: DRIVER: HIGH PERFECTION TECH

Lamp Cat: LP1090-24-GG-299. LUMEN RATING: 4812.73 Lms.

Lamp Output: 1 lamp(s), rated Lumens/lamp: 4812.73

Max Candela: 1,945.0 at Horizontal: 75°, Vertical: 30°

Luminous Opening: Point

Test: Intertek

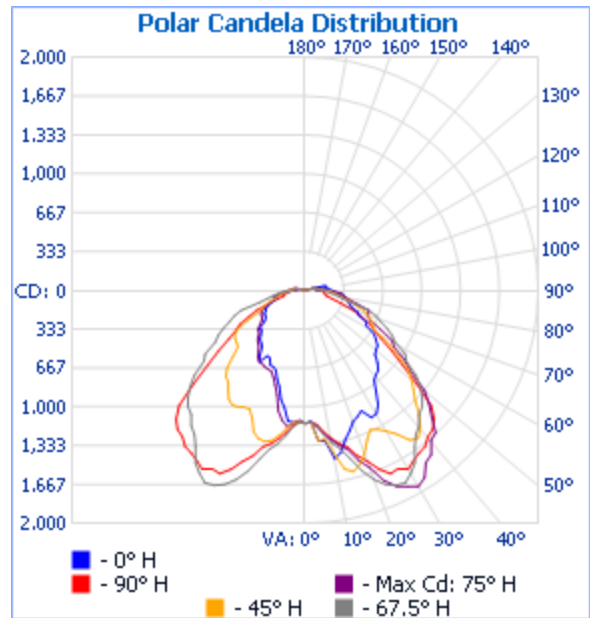
Test Lab: BASE TEST Intertek

Photometry : Type C

CIE Class: Direct

Cutoff Class: Noncutoff

Nema Type: 7 X 7

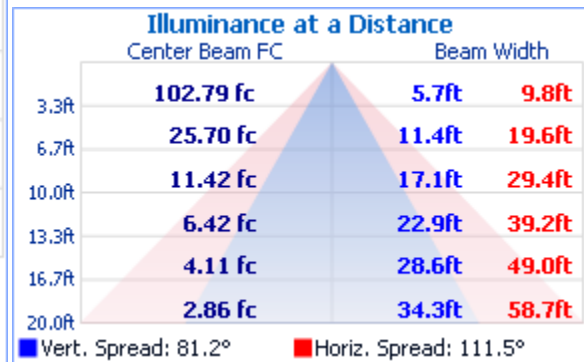
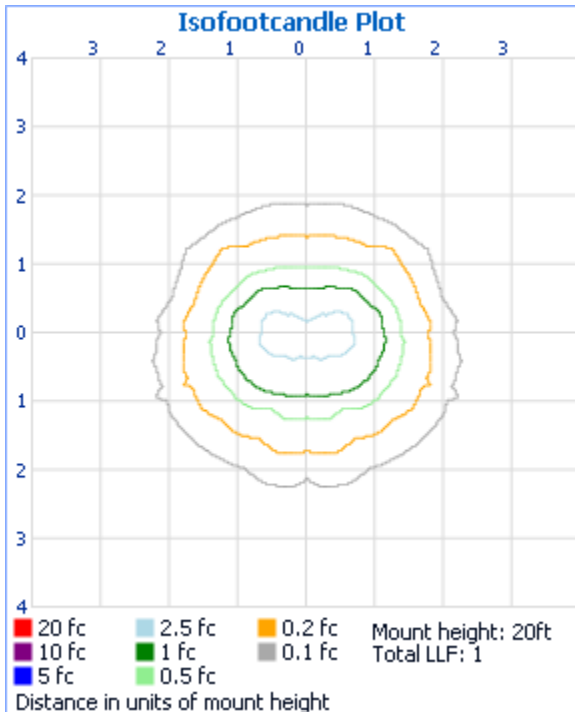


Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	1,123.1	23.3%	23.3%
0-40	1,953.3	40.6%	40.6%
0-60	3,511.5	73%	73%
60-90	1,140.6	23.7%	23.7%
0-90	4,652.1	96.7%	96.7%
90-180	160.3	3.3%	3.3%
0-180	4,812.3	100%	100%

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	117.1	2.4%	90-100	127.8	2.7%
10-20	381.4	7.9%	100-110	32.5	0.7%
20-30	624.6	13.0%	110-120	0	0%
30-40	830.2	17.3%	120-130	0	0%
40-50	853.3	17.7%	130-140	0	0%
50-60	704.9	14.6%	140-150	0	0%
60-70	534.0	11.1%	150-160	0	0%
70-80	372.8	7.7%	160-170	0	0%
80-90	233.8	4.9%	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	1.18	1.18	1.18	1.18	1.15	1.15	1.15	.97	1.09	1.09	1.09	1.04	1.04	1.04	.99	.99	.99	.97
1	1.07	1.01	.96	.92	1.03	.99	.94	.79	.94	.90	.87	.89	.86	.84	.85	.83	.81	.78
2	.97	.88	.80	.74	.94	.86	.79	.66	.81	.76	.71	.78	.73	.69	.74	.70	.67	.64
3	.88	.77	.68	.61	.85	.75	.67	.55	.71	.65	.59	.68	.62	.58	.65	.60	.56	.54
4	.80	.68	.59	.52	.78	.66	.58	.47	.63	.56	.50	.60	.54	.49	.58	.52	.48	.46
5	.74	.60	.51	.44	.71	.59	.50	.41	.57	.49	.43	.54	.48	.42	.52	.46	.42	.39
6	.68	.54	.45	.38	.66	.53	.44	.36	.51	.43	.38	.49	.42	.37	.47	.41	.36	.34
7	.63	.49	.40	.34	.61	.48	.40	.32	.46	.39	.33	.44	.38	.33	.43	.37	.32	.30
8	.58	.45	.36	.30	.57	.44	.35	.28	.42	.35	.29	.41	.34	.29	.39	.33	.29	.27
9	.54	.41	.32	.27	.53	.40	.32	.25	.39	.31	.26	.37	.31	.26	.36	.30	.26	.24
10	.51	.38	.29	.24	.50	.37	.29	.23	.36	.29	.24	.34	.28	.23	.33	.27	.23	.21

Luminaire Report Summary

IESNA:LM-63-2002
 [TEST]Intertek
 [TESTLAB]BASE TEST Intertek
 [ISSUEDATE] 7/19/2010
 [MANUFAC]BARE DEVELOPMENT, INC.
 [LUMINAIRE]HTS-9R Drop Lens Cobrahead
 [MORE]80.19 EFFICIENCY DRIVER INPUT 64.84W
 [LUMCAT]24 LED LIGHT BOARD / RL1D ROADWAY LIGHT (COBRAHEAD)
 [LAMP]DRIVER: HIGH PERFECTION TECH
 [LAMPCAT]LP1090-24-GG-299. LUMEN RATING: 4812.73 Lms.
 [OTHER]120.0V, 190.7MA, 62.93W
 [OTHER]TEST PROCEDURE: IESNA LM-79-08
 FILE: CANDELA MULTIPLIER: 1
 FILE: VERTICAL ANGLES: 73, HORIZONTAL ANGLES: 30
 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.