

# Photometrics Pro

## Luminaire Photometric Report

- [Evaluation Version]

**Filename: C8658L Double HTS-8R**

Manufacturer: BARE DEVELOPMENT

Luminaire: DOUBLE LIGHT BOARD LED

Luminaire Cat: C8658L PN LRP88

Lamp: 72 LED'S

Lamp Cat: NA. LUMINAIRE OUTPUT = 13820 LMS

Lamp Output: 1 lamp(s), rated Lumens/lamp: 13820

Max Candela: 3,713.0 at Horizontal: 180°, Vertical: 2.5°

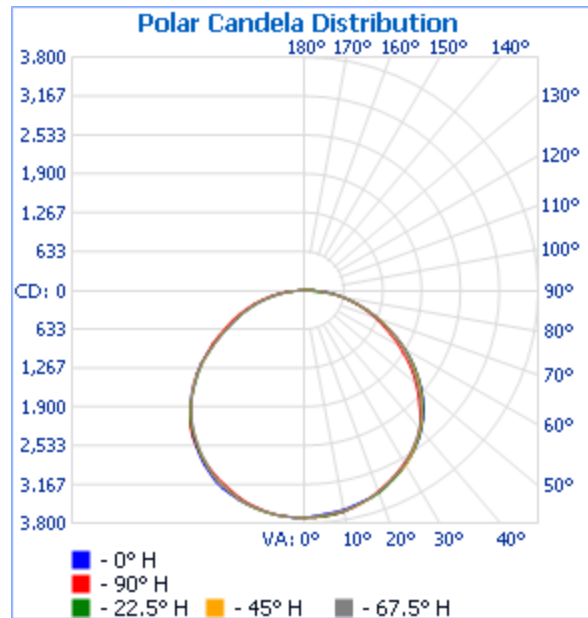
Input Wattage: 188.8

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

Test Lab: Intertek

Photometry : Type C

CIE Class: Direct



### Roadway Summary

Cutoff Classification:	CUTOFF	
Distribution:	Type VS	
Max Cd, 90 Deg Vert:	165.1	
Max Cd, 80 to <90 Deg:	618.9	
	Lumens	% Lamp
Downward Street Side:	5,817.7	42.1%
Downward House Side:	5,595.1	40.5%
Downward Total:	11,412.8	82.6%
Upward Street Side:	5.3	0%
Upward House Side:	0.9	0%
Upward Total:	6.2	0%
Total Lumens:	11,419.0	82.6%

### Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	2,935.5	21.2%	25.7%
0-40	4,872.4	35.3%	42.7%
0-60	8,788.6	63.6%	77%
60-90	2,621.8	19%	23%
0-90	11,410.4	82.6%	99.9%
90-180	6.2	0%	0.1%
0-180	11,416.6	82.6%	100%

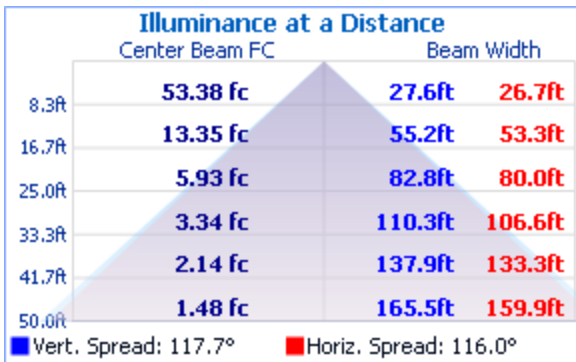
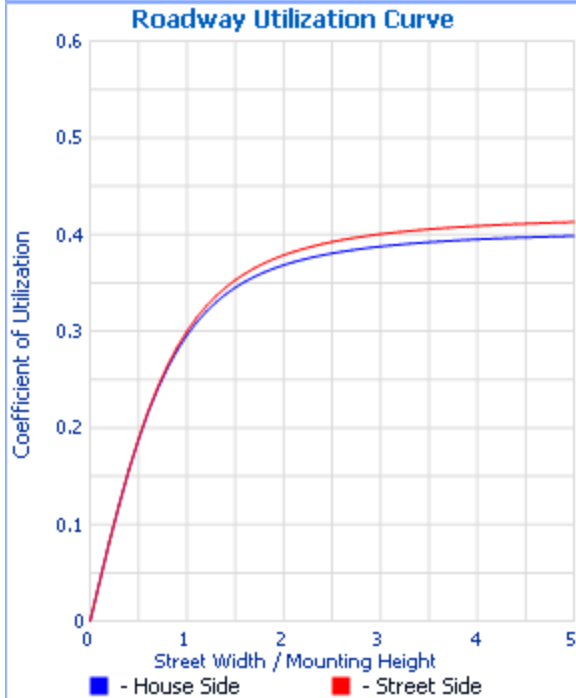
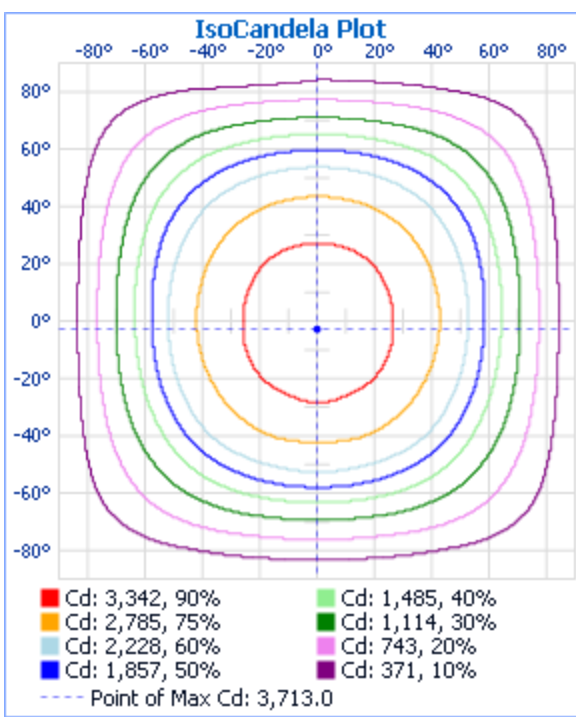
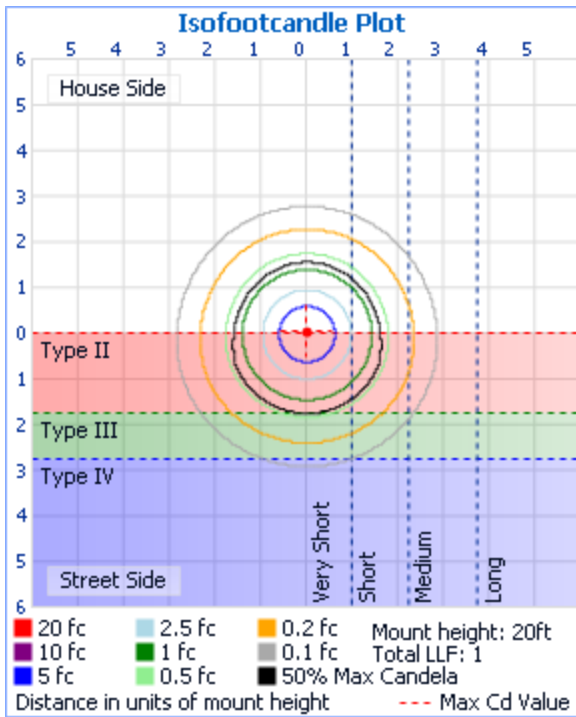
Efficiency Total: 82.6%

### Flood Summary

	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	81.6%	11,277.3	167.9	167.5
Beam (50%):	61.9%	8,548.1	116	117.7
Total:	82.6%	11,412.5		

### Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	351.7	3.1%	90-100	6.2	0.1%
10-20	1,016.6	8.9%	100-110	0	0%
20-30	1,567.2	13.7%	110-120	0	0%
30-40	1,936.9	17.0%	120-130	0	0%
40-50	2,052.2	18.0%	130-140	0	0%
50-60	1,863.9	16.3%	140-150	0	0%
60-70	1,426.8	12.5%	150-160	0	0%
70-80	897.1	7.9%	160-170	0	0%
80-90	297.9	2.6%	170-180	0	0%



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#### Candela Table - Type C

	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5	360
0	3707	3707	3707	3707	3707	3707	3707	3707	3707	3707	3707	3707	3707	3707	3707	3707	3707
2.5	3686	3710	3700	3693	3708	3708	3707	3711	<b>3713</b>	3711	3707	3708	3708	3693	3700	3710	3686
5	3665	3699	3686	3682	3699	3706	3707	3706	3706	3706	3707	3706	3699	3682	3686	3699	3665
7.5	3651	3684	3665	3671	3688	3693	3694	3693	3694	3693	3694	3693	3688	3671	3665	3684	3651
10	3635	3663	3650	3655	3664	3668	3671	3678	3672	3678	3671	3668	3664	3655	3650	3663	3635
12.5	3603	3623	3624	3625	3628	3643	3647	3653	3647	3653	3647	3643	3628	3625	3624	3623	3603
15	3571	3585	3591	3582	3593	3609	3618	3617	3623	3617	3618	3609	3593	3582	3591	3585	3571
17.5	3546	3559	3552	3550	3544	3563	3578	3573	3587	3573	3578	3563	3544	3550	3552	3559	3546



155	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
157.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
160	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
162.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
165	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
167.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
170	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
172.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
175	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
177.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
180	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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**Luminaire Report Summary**

IESNA:LM-63-2002  
 [TEST]  
 [TESTLAB]Intertek  
 [ISSUEDATE] 4/12/2010  
 [MANUFAC]BARE DEVELOPMENT  
 [LUMCAT]C8658L PN LRP88  
 [LUMINAIRE]DOUBLE LIGHT BOARD LED  
 [LAMP]72 LED'S  
 [LAMPCAT]NA. LUMINAIRE OUTPUT = 13820 LMS  
 [OTHER]24.005V, 6.3572A, 188.8W  
 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.