

# Photometrics Pro

## Luminaire Photometric Report

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

**Manufacturer:** BARE DEVELOPMENT

**Luminaire:** DOUBLE LIGHT BOARD LED 173W INPUT

**Luminaire Cat:** Double HTS-8R

**Lamp:** 72 LED'S

**Lamp Cat:** NA. LUMINAIRE OUTPUT = 15200.2 LMS

**Lamp Output:** 1 lamp(s), rated Lumens/lamp: 15200.2

**Max Candela:** 4,839.6 at Horizontal: 0°, Vertical: 0°

**Input Wattage:** 173

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

**Test:** SCALED

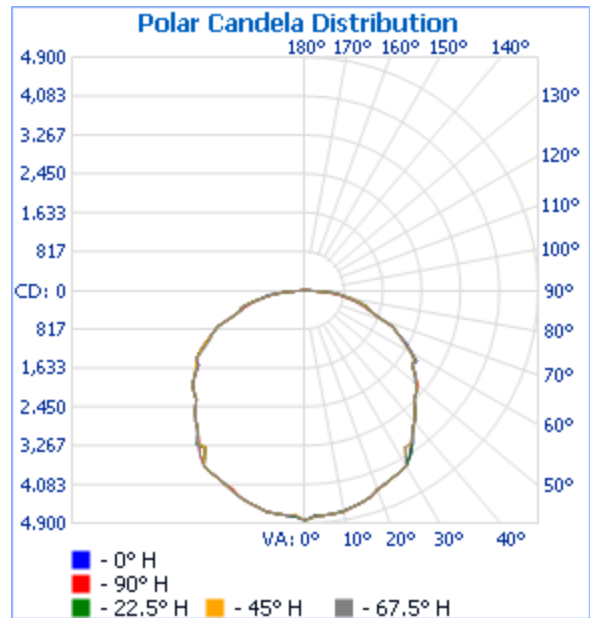
**Test Lab:** Intertek

**Photometry :** Type C

**CIE Class:** Direct

**Cutoff Class:** Full Cutoff

**Nema Type:** 7 X 7

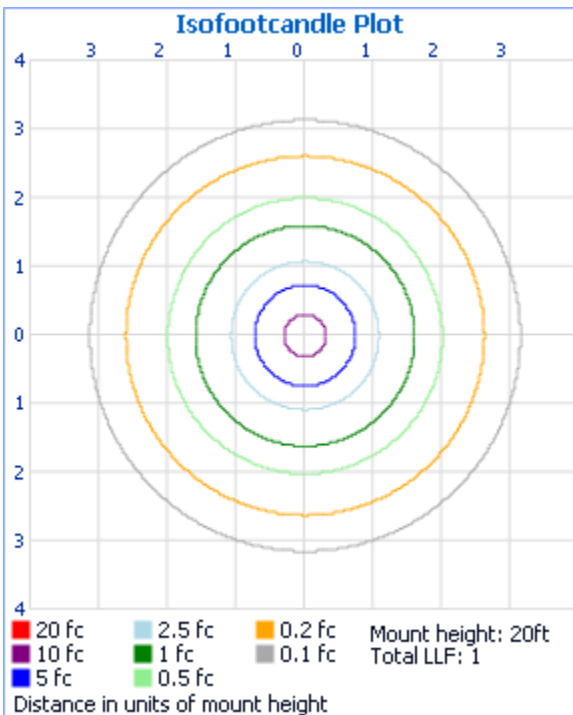


### Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	3,770.2	24.8%	24.8%
0-40	6,204.3	40.8%	40.8%
0-60	11,257.5	74.1%	74.1%
60-90	3,939.7	25.9%	25.9%
0-90	15,197.2	100%	100%
90-180	0	0%	0%
0-180	15,197.2	100%	100%

### Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	452.5	3.0%	90-100	0	0%
10-20	1,302.9	8.6%	100-110	0	0%
20-30	2,014.9	13.3%	110-120	0	0%
30-40	2,434.1	16.0%	120-130	0	0%
40-50	2,542.0	16.7%	130-140	0	0%
50-60	2,511.3	16.5%	140-150	0	0%
60-70	2,115.9	13.9%	150-160	0	0%
70-80	1,362.4	9.0%	160-170	0	0%
80-90	461.4	3.0%	170-180	0	0%



	Center Beam FC	Beam Width
3.3R	435.56 fc	12.5ft 12.3ft
6.7R	108.89 fc	24.9ft 24.6ft
10.0R	48.40 fc	37.4ft 36.8ft
13.3R	27.22 fc	49.8ft 49.1ft
16.7R	17.42 fc	62.3ft 61.4ft
20.0R	12.10 fc	74.7ft 73.7ft

Vert. Spread: 123.7° Horiz. Spread: 123.0°

### Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

RCC %:	<b>80</b>	<b>70</b>	<b>50</b>	<b>30</b>	<b>10</b>	<b>0</b>
RW %:	70 50 30 0	70 50 30 0	50 30 20	50 30 20	50 30 20	0

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	.94	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	.80	.75	.71	.76	.72	.69	.67
3	.88	.77	.68	.61	.86	.75	.67	.57	.72	.65	.60	.70	.64	.59	.67	.62	.58	.55
4	.81	.68	.59	.52	.78	.67	.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	.38	.33	.31
8	.59	.45	.36	.30	.57	.44	.36	.29	.43	.35	.30	.41	.34	.29	.40	.34	.29	.27
9	.55	.41	.33	.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] SCALED  
 [TESTLAB] Intertek  
 [ISSUEDATE] 7/19/2010  
 [MANUFAC] BARE DEVELOPMENT  
 [LUMCAT] Double HTS-8R  
 [LUMINAIRE] DOUBLE LIGHT BOARD LED 173W INPUT  
 [LAMP] 72 LED'S  
 [LAMPCAT] NA. LUMINAIRE OUTPUT = 15200.2 LMS  
 [OTHER] DRIVER OUTPUT 24.005V, 6.3572A, 185.70W  
 [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.