

# Photometrics Pro

## Luminaire Photometric Report

Filename: 50 W 360

Manufacturer: YJBLED

Luminaire: EXTRUDED DIFFUSE METAL FRAME WITH CAST SEMI-DIFFUSE METAL CORNERS, FORMED PERFORATED METAL TOP CAGE, FIVE CAST METAL HEAT SINKS, EACH HEAT SINK HAS TEN LED MODULES, EACH LED MODULE CONTAINS: CAST FINNED METAL BODY, ONE CIRCUIT BOARD WITH ONE LED, CLEAR SEMI-HEMISPHERICAL PLASTIC LENS WITH RECESSED BOTTOM AND CYLINDRICAL SIDES.

Luminaire Cat: 201-50WL

Lamp: FIFTY 1-WATT WHITE MULTI-CHIP LIGHT EMITTING DIODES (LEDS) EACH WITH CLEAR HEMISPHERICAL INTEGRAL LENS, VERTICAL BASE-UP POSITION.

Lamp Output: 1 lamp(s), rated Lumens/lamp: 4176

Max Candela: 1,698.1 at Horizontal: 15, Vertical: 50

Input Wattage: 47

Luminous Opening: Rectangle (L: 1.61ft, W: 1.14ft)

Test: ITL61362 - Simulated 50W

Test Lab: INDEPENDENT TESTING LABORATORIES, INC.

Photometry : Type C

CIE Class: Direct

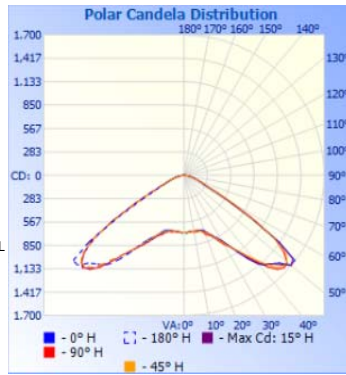
### Roadway Summary

Cutoff Classification:	FULL CUTOFF
Distribution:	TYPE II, VERY SHORT
Max Cd, 90 Deg Vert:	0
Max Cd, 80 to <90 Deg:	74.3
Lumens % Lamp	
Downward Street Side:	2,087.9 50%
Downward House Side:	2,087.9 50%
Downward Total:	4,175.8 100%
Upward Street Side:	0 0%
Upward House Side:	0 0%
Upward Total:	0 0%
Total Lumens:	4,175.8 100%

### Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	649.4	15.5%	15.5%
0-40	1,361.8	32.6%	32.6%
0-60	3,686.1	88.3%	88.3%
60-90	489.9	11.7%	11.7%
0-90	4,176.0	100%	100%
90-180	0	0%	0%
0-180	4,176.0	100%	100%

Efficiency Total: 100%

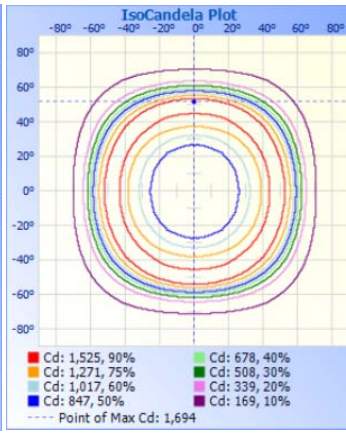
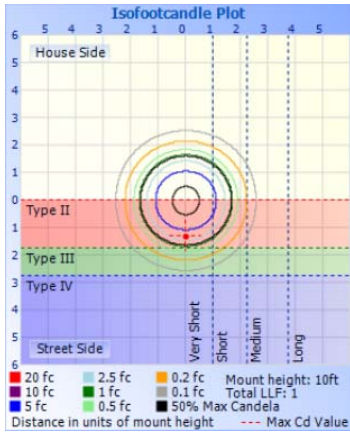


### Flood Summary

	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	96.7%	4,039.5	114.2	141.8
Beam (50%):	74.1%	3,095.9	62	31.4
Total:	100%	4,174.3		

### Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	65.6	1.6%	90-100	0	0%
10-20	199.7	4.8%	100-110	0	0%
20-30	384.0	9.2%	110-120	0	0%
30-40	712.5	17.1%	120-130	0	0%
40-50	1,193.7	28.6%	130-140	0	0%
50-60	1,130.5	27.1%	140-150	0	0%
60-70	341.1	8.2%	150-160	0	0%
70-80	120.9	2.9%	160-170	0	0%
80-90	27.9	0.7%	170-180	0	0%



**Illuminance at a Distance**

Center Beam FC	Beam Width
9.94 fc	4.7ft 10.0ft
2.48 fc	9.4ft 20.0ft
1.10 fc	14.0ft 30.0ft
0.62 fc	18.7ft 40.0ft
0.40 fc	23.4ft 50.0ft
0.28 fc	28.1ft 60.0ft

■ Vert. Spread: 31.4° ■ Horiz. Spread: 62.0°

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Zonal Lumen Tabulation - Flood Type

	1.25	3.75	6.25	8.75	11.25	13.75	15.5	16.75	18.5	19.75	21.25	23.75	26.25	28.75	31.25	33.75	36.25	38.75	41.25	43.75	46.25	48.75	51.25	53.75	56.25	58.75	61.25	63.75	66.25	68.75	71.25	73.75	76.25	78			
88.75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
86.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
83.75	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0.1	0	0.1	0	0.1	0	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
81.25	0.1	0.1	0.1	0.1	0.1	0.1	0	0.1	0.1	0	0.1	0	0.1	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
78.75	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0	0	0	0	0	0	0	0	0	0	
76.25	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0	0	0	0	0	0	0	0	0	
73.75	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0	0	0	0	0	0	0	0	
71.25	0.3	0.3	0.3	0.3	0.3	0.3	0.1	0.2	0.2	0.1	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0	0	0	0	0	0	0	
68.75	0.4	0.4	0.4	0.4	0.4	0.4	0.1	0.2	0.3	0.1	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0	0	0	0	0	
66.25	0.5	0.5	0.5	0.5	0.4	0.4	0.2	0.3	0.3	0.1	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0	0	0	0	0	0	
63.75	0.6	0.6	0.6	0.6	0.6	0.6	0.2	0.3	0.4	0.1	0.5	0.5	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0	0	0	0	0	0	
61.25	1	1	0.9	0.9	0.9	0.8	0.3	0.5	0.6	0.1	0.7	0.6	0.6	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0	0	
58.75	1.5	1.5	1.4	1.4	1.3	1.3	0.5	0.7	0.9	0.2	1	0.9	0.8	0.7	0.6	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0	0	0	
56.25	2.3	2.2	2.2	2.1	2	1.9	0.7	1	1.3	0.3	1.4	1.3	1.1	1	0.8	0.7	0.6	0.5	0.4	0.4	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0	0	0	0	0	
53.75	2.9	2.9	2.8	2.7	2.6	2.5	1	1.4	1.8	0.4	2	1.8	1.6	1.4	1.2	1	0.8	0.7	0.5	0.4	0.4	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0	0	
51.25	<b>3.2</b>	<b>3.2</b>	<b>3.1</b>	<b>3.1</b>	<b>3</b>	<b>2.9</b>	<b>1.1</b>	<b>1.7</b>	<b>2.2</b>	<b>0.5</b>	<b>2.5</b>	<b>2.3</b>	<b>2.1</b>	<b>1.8</b>	<b>1.6</b>	<b>1.3</b>	<b>1.1</b>	<b>0.9</b>	<b>0.7</b>	<b>0.6</b>	<b>0.5</b>	<b>0.4</b>	<b>0.3</b>	<b>0.3</b>	<b>0.2</b>	<b>0.2</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0</b>	<b>0</b>	<b>0</b>		
48.75	3.1	3.1	3.1	3.1	3.1	3.1	1.2	1.8	2.4	0.6	2.8	2.7	2.5	2.3	2	1.7	1.4	1.2	0.9	0.7	0.6	0.4	0.4	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0	0	
46.25	2.9	3	3	3	3	3	1.2	1.8	2.4	0.6	2.9	2.8	2.7	2.6	2.4	2.1	1.8	1.5	1.2	0.9	0.7	0.5	0.4	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0	
43.75	2.9	2.9	2.9	2.8	2.8	2.8	1.1	1.7	2.3	0.6	2.8	2.8	2.8	2.7	2.6	2.4	2.1	1.8	1.5	1.2	0.9	0.7	0.5	0.4	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0	
41.25	2.7	2.7	2.7	2.7	2.7	2.7	1.1	1.6	2.2	0.5	2.7	2.7	2.7	2.7	2.6	2.5	2.3	2.1	1.8	1.5	1.1	0.8	0.6	0.4	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0	
38.75	2.5	2.5	2.5	2.6	2.6	2.6	1	1.6	2.1	0.5	2.6	2.7	2.7	2.7	2.6	2.6	2.4	2.3	2	1.7	1.4	1	0.7	0.5	0.4	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0	0	0	
36.25	2.3	2.3	2.3	2.4	2.4	2.4	1	1.5	2	0.5	2.5	2.5	2.6	2.6	2.6	2.5	2.4	2.2	1.9	1.6	1.2	0.9	0.6	0.4	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0	
33.75	2	2	2.1	2.1	2.2	2.2	0.9	1.3	1.8	0.5	2.3	2.4	2.4	2.5	2.5	2.5	2.4	2.2	2	1.7	1.4	1	0.7	0.5	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0	
31.25	1.8	1.9	1.9	1.9	1.9	2	0.8	1.2	1.7	0.4	2.1	2.2	2.3	2.3	2.4	2.5	2.5	2.4	2.3	2.1	1.9	1.5	1.2	0.8	0.6	0.4	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0	0	
28.75	1.7	1.7	1.7	1.7	1.8	1.8	0.7	1.1	1.5	0.4	2	2.1	2.1	2.2	2.3	2.4	2.4	2.4	2.3	2.2	2	1.7	1.3	1	0.7	0.4	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0
26.25	1.6	1.6	1.6	1.6	1.7	1.7	0.7	1	1.4	0.4	1.9	1.9	2	2.1	2.2	2.3	2.4	2.3	2.2	2	1.8	1.4	1.1	0.7	0.5	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0
23.75	1.5	1.5	1.5	1.5	1.6	1.6	0.6	1	1.3	0.3	1.7	1.8	1.9	2	2	2.1	2.2	2.3	2.3	2.3	2.1	1.9	1.5	1.2	0.8	0.5	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0	0
21.25	1.4	1.4	1.4	1.5	1.5	1.5	0.6	0.9	1.3	0.3	1.7	1.7	1.8	1.9	2	2	2.1	2.2	2.3	2.3	2.1	1.9	1.6	1.3	0.9	0.6	0.4	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0	0
19.75	0.3	0.3	0.3	0.3	0.3	0.3	0.1	0.2	0.2	0.1	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.5	0.4	0.4	0.4	0.3	0.3	0.2	0.1	0.1	0.1	0	0	0	0	0	0	0	0	
18.5	1.1	1.1	1.1	1.1	1.1	1.1	0.5	0.7	1	0.2	1.3	1.3	1.4	1.4	1.5	1.6	1.6	1.7	1.8	1.8	1.7	1.6	1.4	1.1	0.8	0.5	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0	0	0	0
16.75	0.8	0.8	0.8	0.8	0.8	0.8	0.3	0.5	0.7	0.2	0.9	0.9	1	1	1.1	1.1	1.2	1.3	1.3	1.3	1.2	1	0.8	0.6	0.4	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0
15.5	0.5	0.5	0.5	0.5	0.5	0.5	0.2	0.3	0.5	0.1	0.6	0.6	0.6	0.7	0.7	0.8	0.8	0.9	0.9	0.9	0.8	0.7	0.6	0.4	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0	
13.75	1.3	1.3	1.3	1.3	1.3	1.4	0.5	0.8	1.1	0.3	1.5	1.5	1.6	1.7	1.7	1.8	1.9	2	2.1	2.2	2.2	2	1.8	1.5	1.1	0.7	0.5	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0	0
11.25	1.3	1.3	1.3	1.3	1.3	1.3	0.5	0.8	1.1	0.3	1.4	1.5	1.5	1.6	1.7	1.8	1.9	2	2.1	2.2	2.2	2	1.8	1.5	1.1	0.8	0.5	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0	0
8.75	1.3	1.3	1.3	1.3	1.3	1.3	0.5	0.8	1.1	0.3	1.4	1.5	1.5	1.6	1.7	1.8	1.9	2	2.1	2.1	2.1	2.1	1.8	1.5	1.2	0.8	0.5	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0	0
6.25	1.3	1.3	1.3	1.3	1.3	1.3	0.5	0.8	1.1	0.3	1.4	1.4	1.5	1.6	1.7	1.8	1.9	2	2.1	2.1	2.1	2.1	1.9	1.6	1.2	0.8	0.5	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0	0
3.75	1.3	1.3	1.3	1.3	1.3	1.3	0.5	0.8	1.1	0.3	1.4	1.4	1.5	1.6	1.7	1.8	1.9	2	2.1	2.1	2.1	2.1	1.9	1.6	1.2	0.8	0.5	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0	0
1.25	1.3	1.3	1.3	1.3	1.3	1.3	0.5	0.8	1.1	0.3	1.4	1.4	1.5	1.6	1.7	1.8	1.9	2	2.1	2.1	2.1	2.1	1.9	1.6	1.3	0.9	0.5	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0	0
-1.25	1.3	1.3	1.3	1.3	1.3	1.3	0.5	0.8	1.1	0.3	1.4	1.4	1.5	1.6	1.7	1.8	1.9	2	2.1	2.1	2.1	2.1	1.9	1.6	1.3	0.9	0.5	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0	0
-3.75	1.3	1.3	1.3	1.3	1.3	1.3	0.5	0.8	1.1	0.3	1.4	1.4	1.5	1.6	1.7	1.8	1.9	2	2.1	2.1	2.1	2.1	1.9	1.6	1.2	0.8	0.5	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0	0
-6.25	1.3	1.3	1.3	1.3	1.3	1.3	0.5	0.8	1.1	0.3	1.4	1.4	1.5	1.6	1.7	1.8	1.9	2	2.1	2.1	2.1	2.1	1.9	1.6	1												

73.75	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0	0	0	0	0	0	0	0	0	
76.25	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0	0	0	0	0	0	0	0	0
78.75	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0
81.25	0.1	0.1	0.1	0.1	0.1	0.1	0	0.1	0.1	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83.75	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0.1	0	0.1	0.1	0.1	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
86.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
88.75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Maximum Im: 3.2  
Field Im (Right Side): 2019.75  
Total Im (Right Side): 2087.15

**Luminaire Report Summary**

[IESNA:LM-63-2002  
[TEST]ITL61362 - Simulated 50W  
[TESTLAB]INDEPENDENT TESTING LABORATORIES, INC.  
[ISSUE DATE]11/25/08  
[MANUFAC]YJBLED  
[LUMCAT]201-50WL  
[LUMINAIRE]EXTRUDED DIFFUSE METAL FRAME WITH CAST SEMI-DIFFUSE METAL  
[MORE]CORNERS, FORMED PERFORATED METAL TOP CAGE, FIVE CAST METAL  
[MORE]HEAT SINKS, EACH HEAT SINK HAS TEN LED MODULES, EACH LED  
[MORE]MODULE CONTAINS: CAST FINNED METAL BODY, ONE CIRCUIT BOARD  
[MORE]WITH ONE LED, CLEAR SEMI-HEMISPHERICAL PLASTIC LENS WITH  
[MORE]RECESSED BOTTOM AND CYLINDRICAL SIDES.  
[LAMP]FIFTY 1-WATT WHITE MULTI-CHIP LIGHT EMITTING  
[MORE]DIODES (LEDS) EACH WITH CLEAR HEMISPHERICAL INTEGRAL LENS,  
[MORE]VERTICAL BASE-UP POSITION.  
[OTHER]TOTAL INPUT WATTS = 47.0 AT 120.0 VOLTS  
[OTHER]TEST DISTANCE = 25.25 FEET  
[OTHER]TEST PROCEDURE: IESNA LM-79-08  
[\_LEDDRIVER]YJBLED C0900 AP 150 LED SY  
[\_NOTE]DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED AT RATED INPUT  
[MORE]VOLTAGE (120VAC, 60Hz) TO THE LED DRIVER. LED DRIVER  
[MORE]INFORMATION PROVIDED BY CLIENT.  
FILE: CANDELA MULTIPLIER: 0.42  
FILE: VERTICAL ANGLES: 37, HORIZONTAL ANGLES: 21  
FILE: COORDINATE SYSTEM: TYPE C  
FILE: UNIT OF MEASURE: STANDARD  
FILE: BALLAST FACTOR: 1