

# Photometrics Pro

## Luminaire Photometric Report

Filename: 240 W 360

Manufacturer: YJBLED

Luminaire: EXTRUDED DIFFUSE METAL FRAME WITH CAST SEMI-DIFFUSE METAL CORNERS, FORMED PERFORATED METAL TOP CAGE, TWENTY FOUR 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: 201-240WL

Lamp: TWO HUNDRED FORTY 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: 19884

Max Candela: 8,086.0 at Horizontal: 15, Vertical: 50

Input Wattage: 226

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

Test: ITL61362 - Simulated 240W

Test Lab: INDEPENDENT TESTING LABORATORIES, INC.

Photometry : Type C

CIE Class: Direct

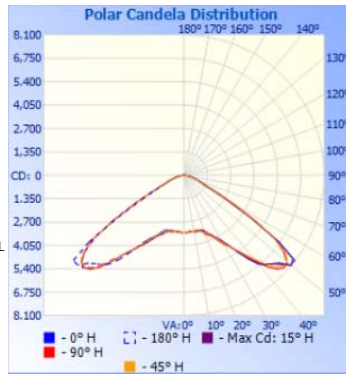
### Roadway Summary

Cutoff Classification:	FULL CUTOFF	
Distribution:	TYPE II, VERY SHORT	
Max Cd, 90 Deg Vert:	0	
Max Cd, 80 to <90 Deg:	354.0	
	Lumens	% Lamp
Downward Street Side:	9,942.4	50%
Downward House Side:	9,942.4	50%
Downward Total:	19,884.8	100%
Upward Street Side:	0	0%
Upward House Side:	0	0%
Upward Total:	0	0%
Total Lumens:	19,884.8	100%

### Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	3,092.2	15.6%	15.5%
0-40	6,484.9	32.6%	32.6%
0-60	17,552.8	88.3%	88.3%
60-90	2,332.7	11.7%	11.7%
0-90	19,885.5	100%	100%
90-180	0	0%	0%
0-180	19,885.5	100%	100%

Efficiency Total: 100%

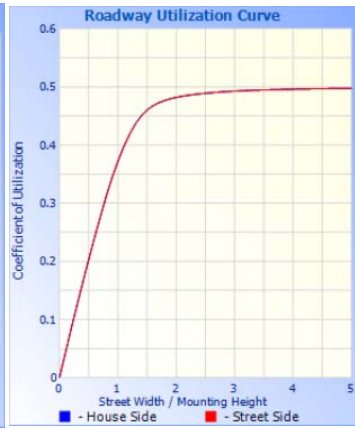
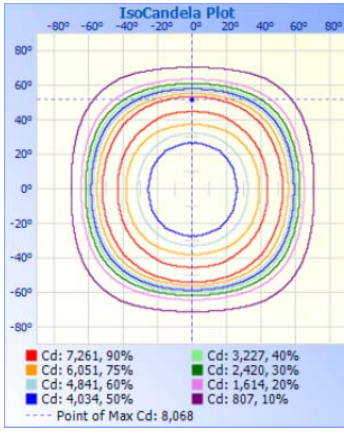
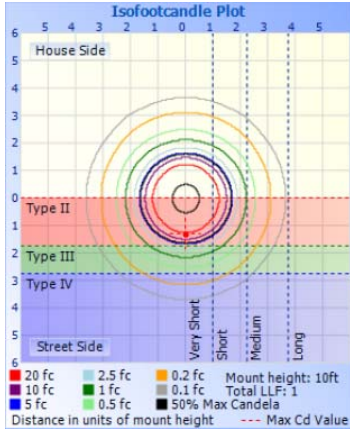


### Flood Summary

	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	96.7%	19,235.6	114.2	141.8
Beam (50%):	74.1%	14,742.4	62	31.4
Total:	100%	19,877.5		

### Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	312.6	1.6%	90-100	0	0%
10-20	950.9	4.8%	100-110	0	0%
20-30	1,828.7	9.2%	110-120	0	0%
30-40	3,392.7	17.1%	120-130	0	0%
40-50	5,684.4	28.6%	130-140	0	0%
50-60	5,383.5	27.1%	140-150	0	0%
60-70	1,624.2	8.2%	150-160	0	0%
70-80	575.7	2.9%	160-170	0	0%
80-90	132.8	0.7%	170-180	0	0%



**Illuminance at a Distance**

Center Beam FC	Beam Width
47.32 fc	4.7ft 10.0ft
11.83 fc	9.4ft 20.0ft
5.26 fc	14.0ft 30.0ft
2.96 fc	18.7ft 40.0ft
1.89 fc	23.4ft 50.0ft
1.31 fc	28.1ft 60.0ft

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



73.75	1.2	1.2	1.2	1.1	1.1	1.1	0.4	0.6	0.8	0.2	1	0.9	0.9	0.8	0.8	0.7	0.6	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	0	
76.25	0.9	0.9	0.9	0.9	0.9	0.9	0.3	0.5	0.6	0.2	0.8	0.7	0.7	0.6	0.6	0.5	0.5	0.5	0.4	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	0	
78.75	0.8	0.8	0.7	0.7	0.7	0.7	0.3	0.4	0.5	0.1	0.6	0.6	0.5	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	0	0	
81.25	0.6	0.6	0.6	0.6	0.6	0.5	0.2	0.3	0.4	0.1	0.5	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0	0	0	0	0	
83.75	0.3	0.3	0.3	0.3	0.4	0.4	0.2	0.2	0.3	0.1	0.3	0.3	0.3	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	
86.25	0.1	0.1	0.1	0.1	0.2	0.2	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	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

Maximum Im: 15.3  
 Field Im (Right Side): 9617.8  
 Total Im (Right Side): 9938.75

**Luminaire Report Summary**

[IESNA:LM-63-2002  
[TEST]ITL61362 - Simulated 240W  
[TESTLAB]INDEPENDENT TESTING LABORATORIES, INC.  
[ISSUE DATE]04/16/08  
[MANUFAC]YJBLED  
[LUMCAT]201-240WL  
[LUMINAIRE]EXTRUDED DIFFUSE METAL FRAME WITH CAST SEMI-DIFFUSE METAL  
[MORE]CORNERS, FORMED PERFORATED METAL TOP CAGE, TWENTY FOUR 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]TWO HUNDRED FORTY 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 = 226.0 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: 2  
FILE: VERTICAL ANGLES: 37, HORIZONTAL ANGLES: 21  
FILE: COORDINATE SYSTEM: TYPE C  
FILE: UNIT OF MEASURE: STANDARD  
FILE: BALLAST FACTOR: 1