

Photometrics Pro

Luminaire Photometric Report

Filename: 80W 360 Degree Ultra II

Manufacturer: YJBLED

Luminaire: EXTRUDED DIFFUSE METAL FRAME WITH CAST SEMI-DIFFUSE METAL CORNERS, FORMED PERFORATED METAL TOP CAGE, EIGHT 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: 202-80WL

Lamp: EIGHTY 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: 6628

Max Candela: 2,696.7 at Horizontal: 15°, Vertical: 50°

Input Wattage: 76

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

Test: ITL61362 - 80 Watt Simulation

Test Lab: INDEPENDENT TESTING LABORATORIES, INC.

Photometry : Type C

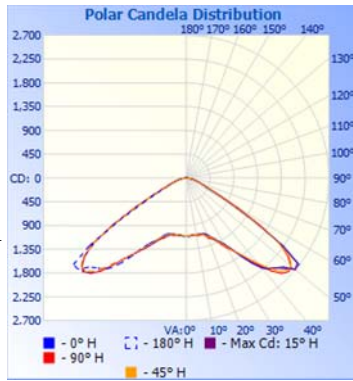
CIE Class: Direct

Roadway Summary

Cutoff Classification:	FULL CUTOFF	
Distribution:	TYPE II, VERY SHORT	
Max Cd, 90 Deg Vert:	0	
Max Cd, 80 to <90 Deg:	118.1	
	Lumens	% Lamp
Downward Street Side:	3,315.8	50%
Downward House Side:	3,315.8	50%
Downward Total:	6,631.6	100.1%
Upward Street Side:	0	0%
Upward House Side:	0	0%
Upward Total:	0	0%
Total Lumens:	6,631.6	100.1%

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	1,031.2	15.6%	15.5%
0-40	2,162.7	32.6%	32.6%
0-60	5,853.9	88.3%	88.3%
60-90	778.0	11.7%	11.7%
0-90	6,631.8	100.1%	100%
90-180	0	0%	0%
0-180	6,631.8	100.1%	100%
Efficiency Total:	100.1%		

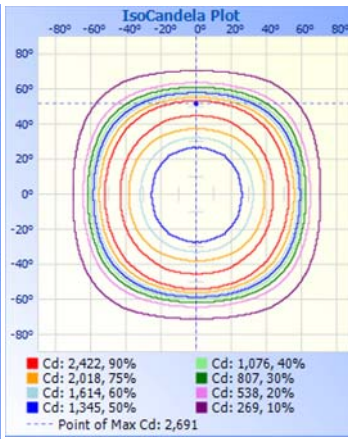
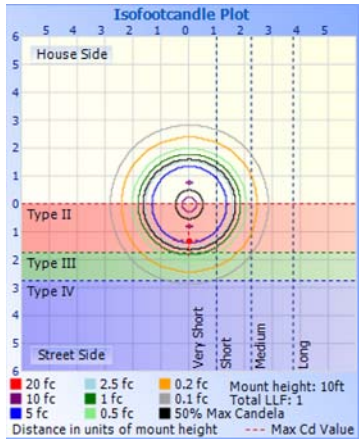


Flood Summary

	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	96.8%	6,415.1	114.2	141.8
Beam (50%):	74.2%	4,916.6	62	31.4
Total:	100%	6,629.2		

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	104.2	1.6%	90-100	0	0%
10-20	317.1	4.8%	100-110	0	0%
20-30	609.9	9.2%	110-120	0	0%
30-40	1,131.5	17.1%	120-130	0	0%
40-50	1,895.8	28.6%	130-140	0	0%
50-60	1,795.4	27.1%	140-150	0	0%
60-70	541.7	8.2%	150-160	0	0%
70-80	192.0	2.9%	160-170	0	0%
80-90	44.3	0.7%	170-180	0	0%



Illuminance at a Distance

Center Beam FC	Beam Width
15.78 fc	4.7ft 10.0ft
3.95 fc	9.4ft 20.0ft
1.75 fc	14.0ft 30.0ft
0.99 fc	18.7ft 40.0ft
0.63 fc	23.4ft 50.0ft
0.44 fc	28.1ft 60.0ft

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

Luminaire Report Summary

IESNA:LM-63-2002
[TEST]ITL61362 - 80 Watt Simulation
[TESTLAB]INDEPENDENT TESTING LABORATORIES, INC.
[ISSUE DATE]11/25/08
[MANUFAC]YJBLED
[LUMCAT]202-80WL
[LUMINAIRE]EXTRUDED DIFFUSE METAL FRAME WITH CAST SEMI-DIFFUSE METAL
[MORE]CORNERS, FORMED PERFORATED METAL TOP CAGE, EIGHT 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]EIGHTY 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 = 76.0 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: 0.667
FILE: VERTICAL ANGLES: 37, HORIZONTAL ANGLES: 21
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.