

# Photometrics Pro

## Luminaire Photometric Report

**Filename:** ITL60484

**Manufacturer:** YJBLED.COM

**Luminaire:** EXTRUDED FINNED METAL HOUSING WITH CAST FINNED METAL END PIECES, FOUR CIRCUIT BOARDS EACH WITH 12 LEDS, FORMED METAL TOP AND SIDE REFLECTORS WITH PREMIUM SPECULAR FINISH, CLEAR FLAT GLASS LENS IN FABRICATED METAL LENS FRAME. INTERIOR OF LENS HAS BLACK PAINTED OUTER PERIMETER.

**Luminaire Cat:** 10048WL

**Lamp:** FORTY-EIGHT 1-WATT MULTI-CHIP LIGHT EMITTING DIODES (LEDS), VERTICAL BASE-UP POSITION.

**Lamp Output:** 1 lamp(s), rated lamp lumens: 2950

**Max Candela:** 1,728.0 at Horizontal: 90, Vertical: 20

**Input Wattage:** 53.4

**Luminous Opening:** Rectangle (L: 0.80ft, W: 0.93ft)

**Test:** ITL60484

**Test Lab:** INDEPENDENT TESTING LABORATORIES, INC.

**Photometry :** Type C

**CIE Class:** Direct

**Cutoff Class:** Full Cutoff

**Nema Type:** 7 X 6

### Flood Summary

	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	96.6%	2,850.8	141.5	116
Beam (50%):	63.2%	1,863.0	101.9	64.5
Total:	100.7%	2,970.8		

### Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	1,143.7	38.8%	38.7%
0-40	1,784.5	60.5%	60.4%
0-60	2,782.5	94.3%	94.2%
60-90	170.2	5.8%	5.8%
0-90	2,952.6	100.1%	100%
90-180	0	0%	0%
0-180	2,952.6	100.1%	100%
Total Efficiency: 100.1%			

### Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	154.4	5.2%	90-100	0	0%
10-20	412.3	14.0%	100-110	0	0%
20-30	576.9	19.5%	110-120	0	0%
30-40	640.8	21.7%	120-130	0	0%
40-50	593.9	20.1%	130-140	0	0%
50-60	404.1	13.7%	140-150	0	0%
60-70	141.8	4.8%	150-160	0	0%
70-80	26.6	0.9%	160-170	0	0%
80-90	1.8	0.1%	170-180	0	0%

### Roadway Summary

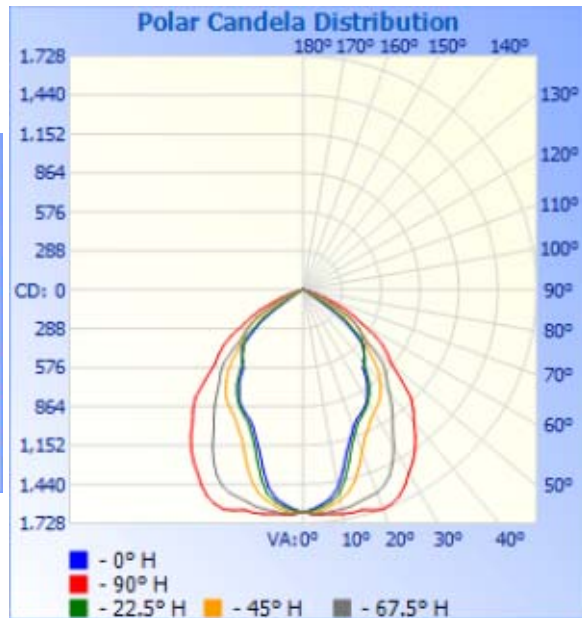
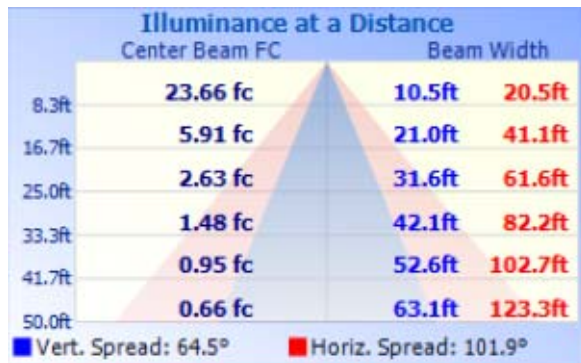
**Cutoff Classification:** FULL CUTOFF  
**Distribution:** TYPE I, VERY SHORT

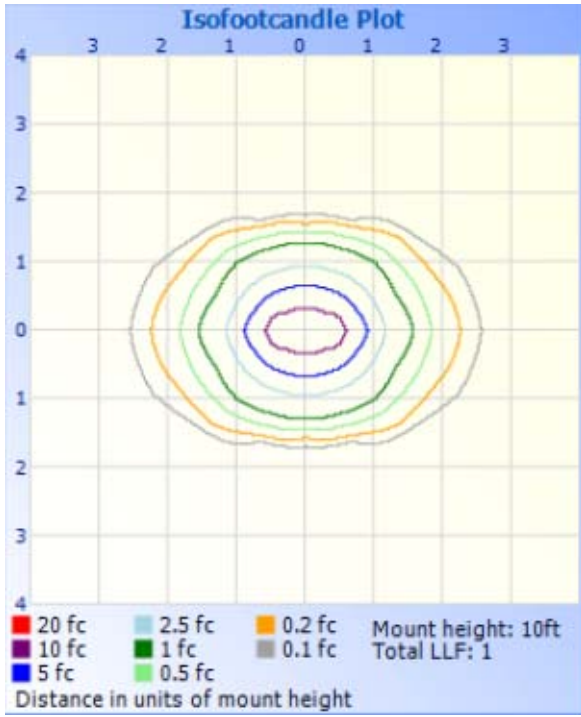
Max Cd, 90 Deg Vert: 0  
 Max Cd, 80 to <90 Deg: 9.0  
 L umens % Lamp  
 Downward Street Side: 1,477.1 50.1%  
 Downward House Side: 1,477.1 50.1%  
 Downward Total: 2,954.3 100.1%  
 Upward Street Side: 0 0%  
 Upward House Side: 0 0%  
 Upward Total: 0 0%  
 Total Lumens: 2,954.3 100.1%

**Coefficients Of Utilization - Zonal Cavity Method**

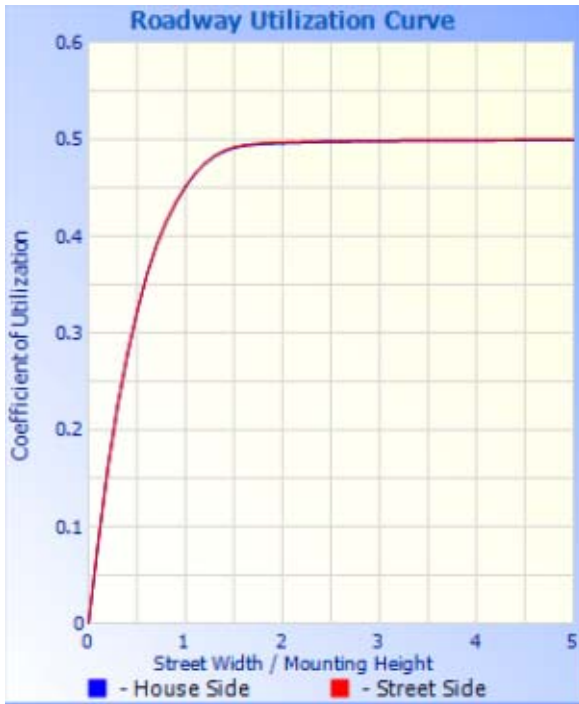
Effective Floor Cavity Reflectance: 20%

RCC %:	80				70				50			30			10			0
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	1.12	1.08	1.05	1.02	1.09	1.06	1.03	.90	1.02	.99	.97	.98	.96	.94	.94	.93	.91	.89
2	1.04	.97	.92	.87	1.01	.95	.90	.80	.92	.88	.84	.89	.85	.82	.86	.83	.80	.79
3	.96	.87	.81	.75	.94	.86	.80	.70	.83	.78	.73	.80	.76	.72	.78	.74	.71	.69
4	.89	.79	.71	.66	.87	.78	.71	.62	.75	.69	.64	.73	.68	.64	.71	.66	.63	.61
5	.82	.71	.64	.58	.81	.70	.63	.56	.68	.62	.57	.66	.61	.56	.65	.60	.56	.54
6	.77	.65	.57	.52	.75	.64	.57	.50	.62	.56	.51	.61	.55	.51	.59	.54	.50	.48
7	.72	.60	.52	.46	.70	.59	.51	.45	.57	.51	.46	.56	.50	.45	.55	.49	.45	.43
8	.67	.55	.47	.42	.65	.54	.47	.41	.53	.46	.41	.52	.46	.41	.51	.45	.41	.39
9	.63	.51	.43	.38	.61	.50	.43	.37	.49	.42	.38	.48	.42	.38	.47	.41	.37	.36
10	.59	.47	.40	.35	.58	.46	.39	.34	.45	.39	.35	.45	.39	.34	.44	.38	.34	.33





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## Candela Table - Type C

	0	22.5	45	67.5	90
0	1643	1643	1643	1643	1643
2.5	1625	1634	1649	1660	1665
5	1592	1612	1638	1662	1668
7.5	1555	1581	1611	1653	1672
10	1482	1532	1579	1649	1685
12.5	1366	1431	1538	1640	1691
15	1243	1312	1468	1621	1685
17.5	1158	1201	1375	1608	1711
20	1084	1125	1273	1598	1728
22.5	1035	1062	1189	1567	1713
25	1010	1031	1135	1514	1683
27.5	981	997	1083	1435	1632
30	948	959	1049	1341	1564
32.5	885	912	1020	1233	1510
35	825	854	988	1154	1443
37.5	728	771	942	1076	1366
40	706	690	885	992	1274
42.5	673	669	827	916	1208
45	637	632	744	865	1130
47.5	605	593	646	795	982
50	491	561	605	661	852
52.5	409	445	566	550	789
55	265	356	516	507	722
57.5	125	211	418	453	632
60	60	86	287	395	500
62.5	49	35	202	265	431
65	45	32	90	219	351
67.5	41	30	25	176	238
70	33	26	18	115	177
72.5	25	19	13	56	100
75	19	16	9	24	41
77.5	14	12	5	5	10
80	9	9	4	2	1
82.5	6	5	4	0	0
85	3	2	1	0	0
87.5	0	0	0	0	0
90	0	0	0	0	0

## Luminaire Report Summary

IESNA:LM-63-2002

[TEST]ITL60484

[TESTLAB]INDEPENDENT TESTING LABORATORIES, INC.

[ISSUEDATE]06/12/08

[MANUFAC]YJBLED.COM

[LUMCAT]10048WL

[LUMINAIRE]EXTRUDED FINNED METAL HOUSING WITH CAST FINNED METAL END

[MORE]PIECES, FOUR CIRCUIT BOARDS EACH WITH 12 LEDS, FORMED METAL

[MORE]TOP AND SIDE REFLECTORS WITH PREMIUM SPECULAR FINISH, CLEAR

[MORE]FLAT GLASS LENS IN FABRICATED METAL LENS FRAME. INTERIOR OF

[MORE]LENS HAS BLACK PAINTED OUTER PERIMETER.

[LAMP]FORTY-EIGHT 1-WATT MULTI-CHIP LIGHT EMITTING DIODES (LEDS),

[MORE]VERTICAL BASE-UP POSITION.  
[OTHER]TOTAL INPUT WATTS = 53.4 AT 120.0 VOLTS  
[\_LEDDRIVER]MEAN WELL S-150-24  
[\_NOTE]DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED AT RATED INPUT  
[MORE]VOLTAGE (120VAC) TO THE LED DRIVER. LAMP AND DRIVER  
[MORE]INFORMATION PROVIDED BY CLIENT.  
FILE: CANDELA MULTIPLIER: 1  
FILE: VERTICAL ANGLES: 37, HORIZONTAL ANGLES: 5  
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.