

# Photometrics Pro

## Luminaire Photometric Report

**Filename:** ITL60485

**Manufacturer:** YJBLED.COM

**Luminaire:** EXTRUDED FINNED METAL HOUSING WITH CAST FINNED METAL END PIECES, FOUR CIRCUIT BOARDS EACH WITH 16 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:** 10064WL

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

**Lamp Output:** 1 lamp(s), rated lamp lumens: 3865

**Max Candela:** 2,178.0 at Horizontal: 90, Vertical: 17.5

**Input Wattage:** 70

**Luminous Opening:** Rectangle (L: 0.80ft, W: 1.14ft)

**Test:** ITL60485

**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%):	97%	3,748.7	144.6	112.4
Beam (50%):	64.3%	2,486.0	103.7	66.8
Total:	100.5%	3,883.9		

### Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	1,499.7	38.8%	38.8%
0-40	2,337.4	60.5%	60.5%
0-60	3,624.8	93.8%	93.8%
60-90	239.7	6.2%	6.2%
0-90	3,864.5	100%	100%
90-180	0	0%	0%
0-180	3,864.5	100%	100%

Total Efficiency: 100%

### Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	197.4	5.1%	90-100	0	0%
10-20	546.0	14.1%	100-110	0	0%
20-30	756.3	19.6%	110-120	0	0%
30-40	837.6	21.7%	120-130	0	0%
40-50	773.4	20.0%	130-140	0	0%
50-60	514.1	13.3%	140-150	0	0%
60-70	190.8	4.9%	150-160	0	0%
70-80	46.0	1.2%	160-170	0	0%
80-90	2.9	0.1%	170-180	0	0%

### Roadway Summary

Cutoff Classification: FULL CUTOFF

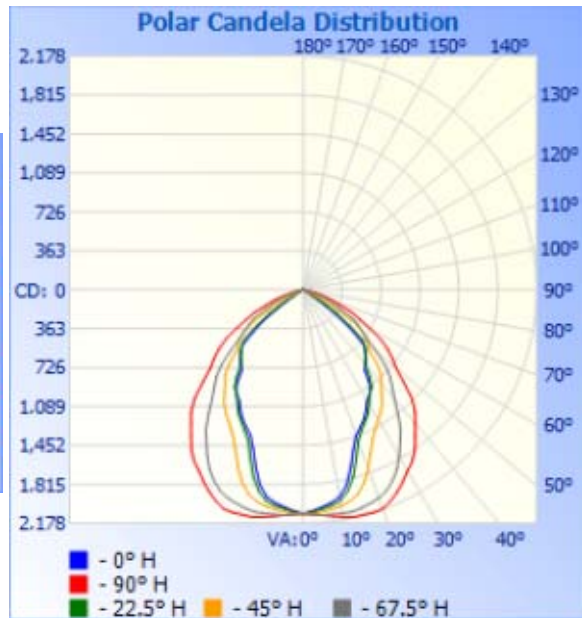
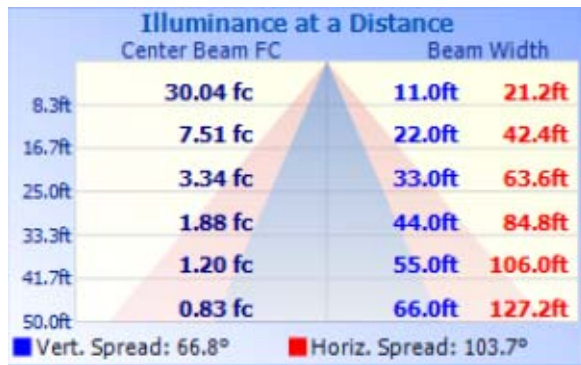
Distribution: TYPE I, VERY SHORT

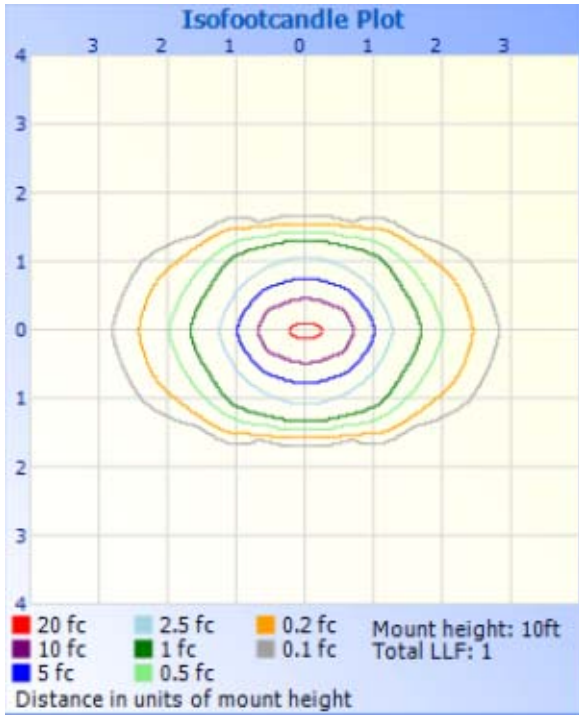
Max Cd, 90 Deg Vert: 0  
 Max Cd, 80 to <90 Deg: 11.0  
 L umens % Lamp  
 Downward Street Side: 1,933.3 50%  
 Downward House Side: 1,933.3 50%  
 Downward Total: 3,866.5 100%  
 Upward Street Side: 0 0%  
 Upward House Side: 0 0%  
 Upward Total: 0 0%  
 Total Lumens: 3,866.5 100%

**Coefficients Of Utilization - Zonal Cavity Method**

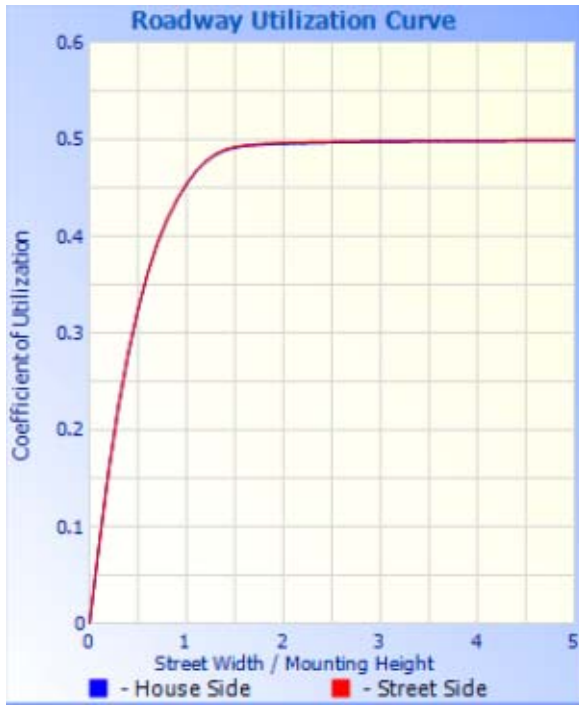
Effective Floor Cavity Reflectance: 20%

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	1.11	1.08	1.05	1.02	1.09	1.06	1.03	.90	1.01	.99	.97	.98	.96	.94	.94	.93	.91	.89
2	1.03	.97	.91	.87	1.01	.95	.90	.79	.92	.87	.84	.88	.85	.82	.86	.83	.80	.78
3	.96	.87	.80	.75	.93	.86	.79	.70	.83	.77	.73	.80	.76	.72	.78	.74	.71	.69
4	.89	.79	.71	.65	.87	.77	.70	.62	.75	.69	.64	.73	.68	.63	.71	.66	.63	.61
5	.82	.71	.63	.58	.80	.70	.63	.55	.68	.62	.57	.66	.61	.56	.65	.60	.56	.54
6	.77	.65	.57	.51	.75	.64	.57	.50	.62	.56	.51	.61	.55	.50	.59	.54	.50	.48
7	.71	.59	.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	.50	.45	.41	.39
9	.63	.50	.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	.44	.39	.34	.44	.38	.34	.33





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## Candela Table - Type C

	0	22.5	45	67.5	90
0	2086	2086	2086	2086	2086
2.5	2063	2074	2086	2092	2096
5	2032	2048	2072	2108	2109
7.5	2003	2030	2062	2110	2129
10	1960	1996	2044	2115	2152
12.5	1865	1921	2018	2118	2172
15	1714	1802	1972	2106	2172
17.5	1556	1646	1891	2086	<b>2178</b>
20	1445	1503	1772	2065	2172
22.5	1388	1423	1642	2028	2131
25	1336	1362	1535	1968	2078
27.5	1270	1306	1458	1891	2016
30	1192	1228	1398	1792	1947
32.5	1159	1155	1348	1683	1896
35	1086	1113	1286	1584	1818
37.5	943	1020	1201	1448	1719
40	909	899	1130	1323	1627
42.5	871	861	1078	1228	1548
45	823	825	976	1144	1435
47.5	779	771	839	1032	1267
50	611	724	790	885	1127
52.5	446	543	744	753	1048
55	249	381	666	675	958
57.5	105	194	553	602	852
60	57	68	357	537	714
62.5	53	37	215	397	600
65	51	37	81	314	507
67.5	49	38	27	260	376
70	40	34	26	182	290
72.5	33	27	23	106	194
75	21	21	17	35	112
77.5	18	16	12	9	53
80	11	10	8	5	8
82.5	7	6	5	2	1
85	3	3	2	1	0
87.5	0	1	1	0	0
90	0	0	0	0	0

## Luminaire Report Summary

IESNA:LM-63-2002

[TEST]ITL60485

[TESTLAB]INDEPENDENT TESTING LABORATORIES, INC.

[ISSUEDATE]06/11/08

[MANUFAC]YJBLED.COM

[LUMCAT]10064WL

[LUMINAIRE]EXTRUDED FINNED METAL HOUSING WITH CAST FINNED METAL END  
 [MORE]PIECES, FOUR CIRCUIT BOARDS EACH WITH 16 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]SIXTY-FOUR 1-WATT MULTI-CHIP LIGHT EMITTING DIODES (LEDS),

[MORE]VERTICAL BASE-UP POSITION.  
[OTHER]TOTAL INPUT WATTS = 70.0 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.