

Photometrics Pro

Luminaire Photometric Report

Filename: ITL60487

Manufacturer: YJBLED.COM

Luminaire: EXTRUDED FINNED METAL HOUSING WITH CAST FINNED METAL END PIECES, SIX CIRCUIT BOARDS EACH WITH 20 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: 100120WL

Lamp: ONE HUNDRED TWENTY 1-WATT MULTI-CHIP LIGHT EMITTING DIODES (LEDS), VERTICAL BASE-UP POSITION.

Lamp Output: 1 lamp(s), rated lamp lumens: 7056

Max Candela: 4,453.0 at Horizontal: 90, Vertical: 2.5

Input Wattage: 134.5

Luminous Opening: Rectangle (L: 1.33ft, W: 1.30ft)

Test: ITL60487

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%):	97.4%	6,872.8	146.3	104
Beam (50%):	60.1%	4,240.7	97.7	60.4
Total:	100.3%	7,076.9		

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	3,000.8	42.5%	42.6%
0-40	4,559.4	64.6%	64.7%
0-60	6,641.1	94.1%	94.2%
60-90	406.0	5.8%	5.8%
0-90	7,047.1	99.9%	100%
90-180	0	0%	0%
0-180	7,047.1	99.9%	100%
Total Efficiency: 99.9%			

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	413.3	5.9%	90-100	0	0%
10-20	1,123.2	15.9%	100-110	0	0%
20-30	1,464.3	20.8%	110-120	0	0%
30-40	1,558.6	22.1%	120-130	0	0%
40-50	1,350.3	19.2%	130-140	0	0%
50-60	731.4	10.4%	140-150	0	0%
60-70	313.5	4.4%	150-160	0	0%
70-80	84.2	1.2%	160-170	0	0%
80-90	8.3	0.1%	170-180	0	0%

Roadway Summary

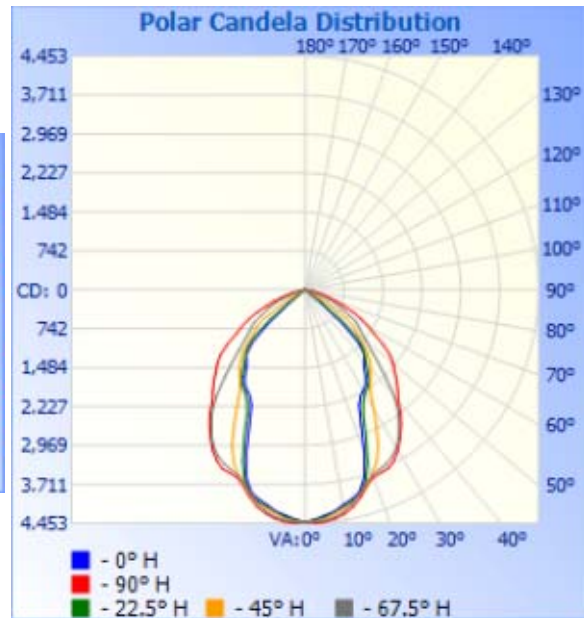
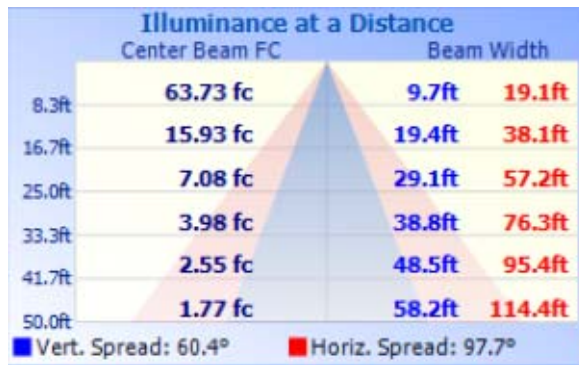
Cutoff Classification: FULL CUTOFF
Distribution: TYPE I, VERY SHORT

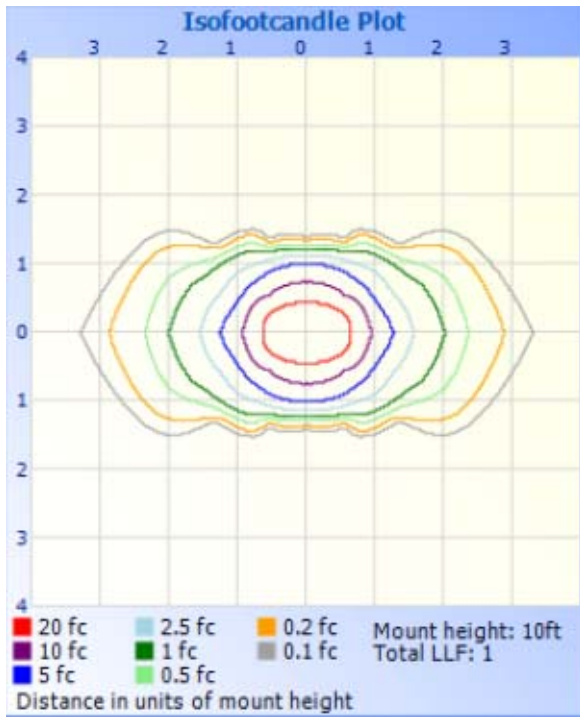
Max Cd, 90 Deg Vert: 0
 Max Cd, 80 to <90 Deg: 80.0
 L umens % Lamp
 Downward Street Side: 3,525.9 50%
 Downward House Side: 3,525.9 50%
 Downward Total: 7,051.9 99.9%
 Upward Street Side: 0 0%
 Upward House Side: 0 0%
 Upward Total: 0 0%
 Total Lumens: 7,051.9 99.9%

Coefficients Of Utilization - Zonal Cavity Method

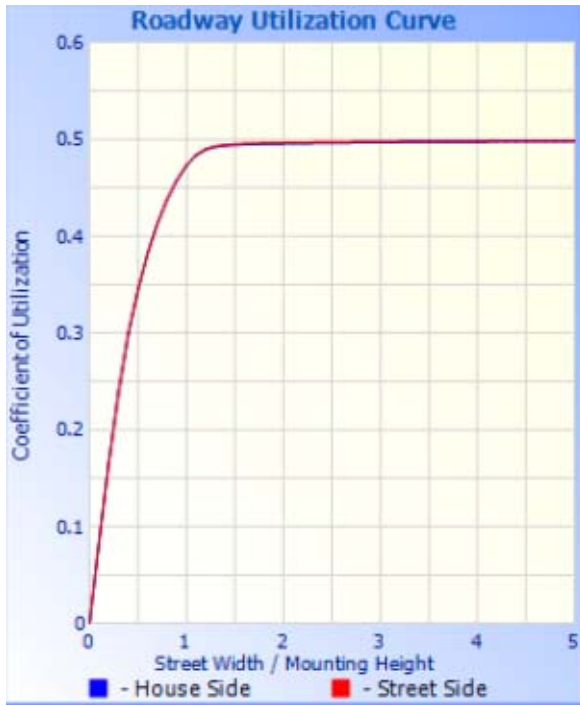
Effective Floor Cavity Reflectance: 20%

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	.92	.90
2	1.04	.97	.92	.88	1.01	.96	.91	.80	.92	.88	.85	.89	.86	.83	.86	.84	.81	.79
3	.97	.88	.82	.77	.94	.87	.81	.72	.84	.79	.75	.81	.77	.73	.79	.75	.72	.70
4	.90	.80	.73	.67	.88	.79	.72	.64	.76	.71	.66	.74	.69	.65	.72	.68	.64	.63
5	.84	.73	.65	.60	.82	.72	.65	.58	.70	.64	.59	.68	.63	.58	.66	.62	.58	.56
6	.78	.67	.59	.54	.76	.66	.59	.52	.64	.58	.53	.63	.57	.53	.61	.56	.52	.50
7	.73	.61	.54	.48	.71	.61	.53	.47	.59	.53	.48	.58	.52	.48	.57	.51	.47	.46
8	.68	.57	.49	.44	.67	.56	.49	.43	.55	.48	.44	.54	.48	.44	.52	.47	.43	.42
9	.64	.52	.45	.40	.63	.52	.45	.40	.51	.44	.40	.50	.44	.40	.49	.44	.40	.38
10	.61	.49	.42	.37	.59	.48	.42	.37	.47	.41	.37	.47	.41	.37	.46	.40	.37	.35





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Candela Table - Type C

	0	22.5	45	67.5	90
0	4426	4426	4426	4426	4426
2.5	4383	4399	4414	4431	4453
5	4316	4343	4379	4417	4439
7.5	4261	4288	4294	4366	4396
10	4162	4204	4230	4287	4332
12.5	4087	4131	4170	4177	4238
15	3992	4030	4043	4025	4092
17.5	3745	3833	3886	3863	3921
20	3300	3483	3734	3761	3805
22.5	2789	3034	3559	3704	3775
25	2435	2618	3293	3658	3755
27.5	2287	2402	2949	3586	3662
30	2216	2281	2613	3478	3534
32.5	2151	2215	2327	3323	3358
35	2014	2128	2163	3119	3186
37.5	1843	1960	2056	2912	2992
40	1745	1802	1951	2635	2757
42.5	1666	1686	1824	2274	2613
45	1447	1557	1673	1985	2465
47.5	991	1330	1490	1722	2316
50	433	875	1294	1519	2187
52.5	111	350	1171	1369	2038
55	41	83	961	1249	1812
57.5	28	36	579	1147	1553
60	29	26	180	957	1385
62.5	41	27	35	818	1213
65	50	36	15	675	1017
67.5	41	38	13	558	785
70	51	33	21	324	632
72.5	59	46	24	106	442
75	39	40	23	31	316
77.5	20	20	30	26	185
80	15	12	15	19	80
82.5	11	9	9	13	22
85	5	4	5	6	8
87.5	2	1	1	2	3
90	0	0	0	0	0

Luminaire Report Summary

IESNA:LM-63-2002
 [TEST]ITL60487
 [TESTLAB]INDEPENDENT TESTING LABORATORIES, INC.
 [ISSUEDATE]06/11/08
 [MANUFAC]YJBLED.COM
 [LUMCAT]100120WL
 [LUMINAIRE]EXTRUDED FINNED METAL HOUSING WITH CAST FINNED METAL END
 [MORE]PIECES, SIX CIRCUIT BOARDS EACH WITH 20 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]ONE HUNDRED TWENTY 1-WATT MULTI-CHIP LIGHT EMITTING DIODES

[MORE](LEDS), VERTICAL BASE-UP POSITION.
[OTHER]TOTAL INPUT WATTS = 134.5 AT 120.0 VOLTS
[_LEDDRIVER]TWO MEAN WELL S-150-24
[_NOTE]DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED AT RATED INPUT
[MORE]VOLTAGE (120VAC) TO THE LED DRIVERS. 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.