

# Photometrics Pro

## Luminaire Photometric Report

**Filename: Well-Lux 660N-CW**  
 Luminaire: WELL-LUX 660N CW  
 Lamp Output: 1 lamp(s), rated lamp lumens: 3280.8  
 Max Candela: 1,120.5 at Horizontal: 0, Vertical: 0  
 Input Wattage: 67  
 Luminous Opening: (L: 0ft, W: 1.97ft, H: 1.97ft)  
 Photometry : Type C  
 CIE Class: Direct  
 Cutoff Class: Cutoff  
 Nema Type: 7 X 7

### Flood Summary

	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	98.7%	3,238.0	165.3	165.7
Beam (50%):	71.3%	2,339.6	113.2	113.9
Total:	100.4%	3,294.7		

### Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	866.9	26.4%	26.5%
0-40	1,422.2	43.4%	43.5%
0-60	2,527.5	77%	77.3%
60-90	741.8	22.6%	22.7%
0-90	3,269.3	99.6%	100%
90-180	0	0%	0%
0-180	3,269.3	99.6%	100%
Total Efficiency: 99.6%			

### Lumens Per Zone

Zone	Lumens	% Total Zone	Lumens	% Total
0-10	105.5	3.2%	90-100	0 0%
10-20	302.4	9.3%	100-110	0 0%
20-30	458.9	14.0%	110-120	0 0%
30-40	555.4	17.0%	120-130	0 0%
40-50	578.8	17.7%	130-140	0 0%
50-60	526.5	16.1%	140-150	0 0%
60-70	409.7	12.5%	150-160	0 0%
70-80	249.7	7.6%	160-170	0 0%
80-90	82.4	2.5%	170-180	0 0%

### Roadway Summary

Cutoff Classification: CUTOFF  
 Distribution: TYPE II, VERY SHORT  
 Max Cd, 90 Deg Vert: 5.3  
 Max Cd, 80 to <90 Deg: 157.8  
 Lumens % Lamp  
 Downward Street Side: 821.0 25%  
 Downward House Side: 812.8 24.8%  
 Downward Total: 1,633.8 49.8%  
 Upward Street Side: 0 0%  
 Upward House Side: 0 0%  
 Upward Total: 0 0%  
 Total Lumens: 1,633.8 49.8%

### Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

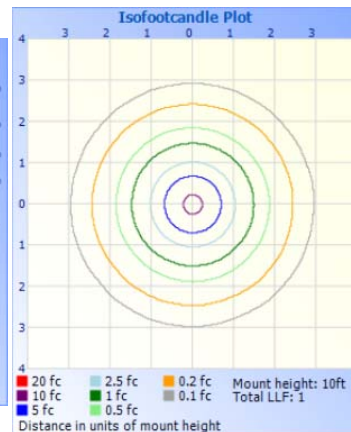
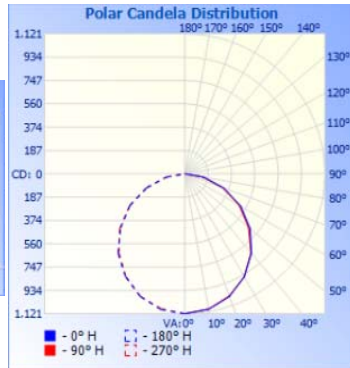
RCC %:	80				70				50				30				10				0
RW %:	70	50	30	0	70	50	30	0	50	30	20	0	50	30	20	0	50	30	20	0	
RCR: 0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.00	1.11	1.11	1.11	1.11	1.06	1.06	1.06	1.06	1.02	1.02	1.02	1.00	
1	1.08	1.03	.99	.95	1.05	1.01	.97	.83	.96	.93	.90	.87	.90	.87	.84	.81	.89	.87	.85	.83	
2	.98	.89	.82	.77	.95	.88	.81	.70	.84	.79	.74	.71	.81	.76	.72	.78	.74	.71	.68	.68	
3	.89	.78	.70	.63	.87	.77	.69	.59	.74	.67	.62	.71	.65	.61	.68	.64	.59	.57	.57	.57	
4	.81	.69	.60	.54	.79	.68	.60	.51	.65	.58	.52	.63	.57	.52	.61	.55	.51	.49	.49	.49	
5	.75	.62	.53	.46	.73	.61	.52	.44	.59	.51	.45	.57	.50	.45	.55	.49	.44	.42	.42	.42	
6	.69	.56	.47	.40	.67	.55	.46	.39	.53	.45	.39	.51	.44	.39	.50	.43	.39	.37	.37	.37	
7	.64	.50	.42	.35	.62	.50	.41	.34	.48	.40	.35	.47	.40	.35	.45	.39	.34	.32	.32	.32	
8	.60	.46	.37	.31	.58	.45	.37	.31	.44	.36	.31	.43	.36	.31	.41	.35	.31	.29	.29	.29	
9	.56	.42	.34	.28	.54	.42	.34	.28	.40	.33	.28	.39	.33	.28	.38	.32	.28	.26	.26	.26	
10	.52	.39	.31	.26	.51	.38	.31	.25	.37	.30	.25	.36	.30	.25	.36	.30	.25	.23	.23	.23	

### Illuminance at a Distance

Center Beam FC      Beam Width

8.3ft	16.14 fc	25.6ft	25.3ft
16.7ft	4.03 fc	51.2ft	50.6ft
25.0ft	1.79 fc	76.9ft	75.9ft
33.3ft	1.01 fc	102.5ft	101.2ft
41.7ft	0.65 fc	128.1ft	126.5ft
50.0ft	0.45 fc	153.7ft	151.8ft

■ Vert. Spread: 113.9°      ■ Horiz. Spread: 113.2°



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Candela Table - Type C

	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320		
0	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120
10	1101	1098	1099	1098	1100	1099	1100	1100	1100	1100	1102	1101	1102	1101	1103	1102	1103	1104	1103	1104	1103	1102	1103	1101	1102	1098	1100	1097	1098	1099	1098	1099	1098	1099	1100
20	1045	1041	1042	1040	1042	1040	1042	1040	1044	1040	1042	1040	1042	1044	1043	1041	1042	1046	1044	1042	1044	1042	1045	1042	1044	1040	1043	1044	1042	1040	1042	1043	1044	1044	
30	952	948	949	952	950	952	948	951	951	951	948	944	946	943	948	945	948	945	949	946	950	953	950	948	950	953	950	946	950	948	956	951	952		
40	829	823	832	828	826	828	822	826	825	825	822	817	828	823	821	817	828	817	831	819	832	828	833	829	833	829	833	821	827	823	834	828	828		
50	683	671	683	678	674	668	680	675	673	664	670	662	666	670	667	663	676	673	670	675	680	677	682	678	683	679	675	680	677	672	685	677	678		
60	517	509	513	506	503	496	509	502	501	501	497	499	492	496	493	489	493	499	507	501	509	504	511	506	513	507	504	509	506	511	504	506	507		
70	334	328	320	324	332	324	327	320	319	319	325	316	319	313	320	315	320	316	324	318	326	321	329	324	331	325	333	328	335	329	333	324	336		
80	156	152	154	148	155	148	150	144	142	143	148	140	143	138	144	140	144	140	146	143	148	146	152	148	154	150	156	152	158	154	156	158	157		
90	5	4	3	2	2	2	1	2	2	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	3	3	4	4	5	4	4	5		

Luminaire Report Summary

Well-Lux 660N CW  
 3280.8lm  
 Test Distance: 10.435m  
 Test Electrical Parameters: Voltage: 220 V AC, Current: 0.320 A, Power: 67W  
 FILE: CANDELA MULTIPLIER: 1  
 FILE: VERTICAL ANGLES: 10, HORIZONTAL ANGLES: 37  
 FILE: COORDINATE SYSTEM: TYPE C  
 FILE: UNIT OF MEASURE: METRIC  
 FILE: BALLAST FACTOR: 1

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 Reported data calculated from manufacturer's data file, based on IES recommended methods.