

# Photometrics Pro

## Luminaire Photometric Report

**Filename:** Well-Lux 330N-CW  
**Luminaire:** WELL-LUX 330N-CW  
**Lamp Output:** 1 lamp(s), rated lamp lumens: 849.6  
**Max Candela:** 292.8 at Horizontal: 0, Vertical: 0  
**Input Wattage:** 20  
**Luminous Opening:** (L: 0ft, W: 0.98ft, H: 0.98ft)  
**Photometry :** Type C  
**CIE Class:** Direct  
**Cutoff Class:** Cutoff  
**Nema Type:** 7 X 7

### Flood Summary

	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	98.2%	834.3	165	165
Beam (50%):	71.4%	606.8	112.3	113
Total:	100.2%	851.5		

### Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	225.8	26.6%	26.7%
0-40	370.1	43.6%	43.8%
0-60	656.5	77.3%	77.7%
60-90	188.6	22.2%	22.3%
0-90	845.0	99.5%	100%
90-180	0	0%	0%
0-180	845.0	99.5%	100%
Total Efficiency: 99.5%			

### Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	27.5	3.3%	90-100	0	0%
10-20	78.8	9.3%	100-110	0	0%
20-30	119.4	14.1%	110-120	0	0%
30-40	144.3	17.1%	120-130	0	0%
40-50	150.1	17.8%	130-140	0	0%
50-60	136.3	16.1%	140-150	0	0%
60-70	105.4	12.5%	150-160	0	0%
70-80	63.0	7.5%	160-170	0	0%
80-90	20.1	2.4%	170-180	0	0%

### Roadway Summary

**Cutoff Classification:** CUTOFF  
**Distribution:** TYPE II, VERY SHORT  
**Max Cd, 90 Deg Vert:** 0.3  
**Max Cd, 80 to <90 Deg:** 39.1  
**L** umens % Lamp  
**Downward Street Side:** 212.2 25%  
**Downward House Side:** 211.3 24.9%  
**Downward Total:** 423.5 49.8%  
**Upward Street Side:** 0 0%  
**Upward House Side:** 0 0%  
**Upward Total:** 0 0%  
**Total Lumens:** 423.5 49.8%

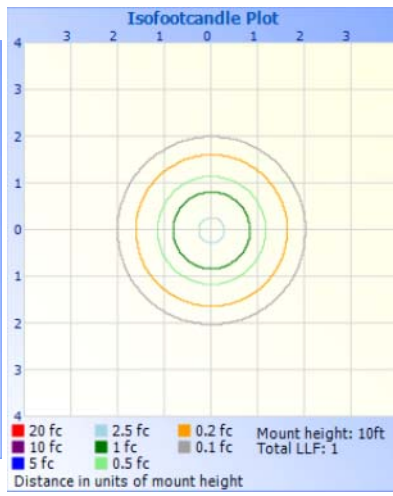
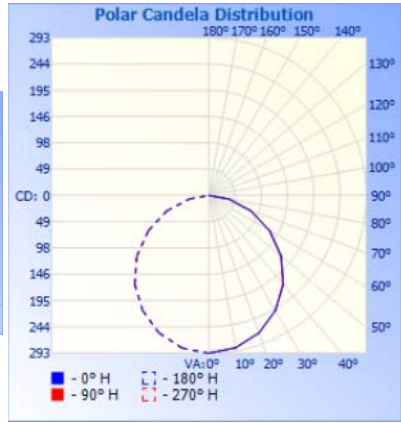
### Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

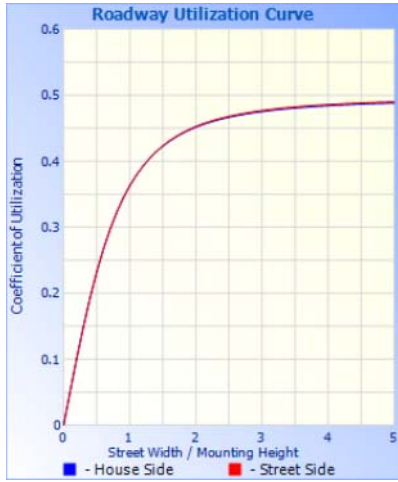
RCC %:	80				70				50				30				10				0
RW %:	70	50	30	0	70	50	30	0	50	30	20	0	50	30	20	0	50	30	20	0	
RCR: 0	1.18	1.18	1.18	1.18	1.16	1.16	1.16	.99	1.11	1.11	1.11	1.06	1.06	1.06	1.06	1.01	1.01	1.01	1.01	.99	
1	1.08	1.03	.99	.95	1.05	1.01	.97	.83	.96	.93	.90	.92	.90	.87	.87	.89	.87	.85	.85	.83	
2	.98	.89	.82	.77	.95	.88	.81	.70	.84	.79	.74	.81	.76	.72	.78	.74	.71	.68	.68	.68	
3	.89	.78	.70	.63	.87	.77	.69	.59	.74	.67	.62	.71	.65	.61	.68	.64	.60	.57	.57	.57	
4	.81	.69	.60	.54	.79	.68	.60	.51	.65	.58	.53	.63	.57	.52	.61	.56	.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	.40	.51	.44	.39	.50	.44	.39	.37	.37	.37	
7	.64	.50	.42	.35	.62	.50	.41	.34	.48	.41	.35	.47	.40	.35	.45	.39	.34	.32	.32	.32	
8	.60	.46	.37	.32	.58	.45	.37	.31	.44	.37	.31	.43	.36	.31	.42	.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	.26	.36	.30	.25	.36	.30	.25	.24	.24	.24	

Illuminance at a Distance			
	Center Beam FC	Beam Width	
8.3ft	4.22 fc	25.2ft	24.8ft
16.7ft	1.05 fc	50.3ft	49.7ft
25.0ft	0.47 fc	75.5ft	74.5ft
33.3ft	0.26 fc	100.7ft	99.4ft
41.7ft	0.17 fc	125.8ft	124.2ft
50.0ft	0.12 fc	151.0ft	149.1ft

■ Vert. Spread: 113.0°    ■ Horiz. Spread: 112.3°



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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	330	340	350	360			
0	293	293	293	293	293	293	293	293	293	293	293	293	293	293	293	293	293	293	293	293	293	293	293	293	293	293	293	293	293	293	293	293	293	293	293	293	293	293		
10	287	287	287	287	287	287	287	287	287	287	287	287	287	287	287	287	287	287	287	287	288	287	288	287	288	287	288	288	288	288	287	287	288	287	287	287	287	287		
20	272	271	271	271	272	272	272	271	272	272	272	271	272	271	271	272	272	271	272	271	272	271	272	271	272	272	271	272	272	272	272	271	272	271	272	271	272	271	272	
30	247	246	247	246	247	246	247	246	247	246	247	247	248	247	246	246	246	247	246	246	248	247	248	247	248	247	248	247	246	248	247	248	248	247	246	247	246	247	248	247
40	215	215	216	213	214	213	216	213	216	214	214	215	214	214	215	212	213	212	215	215	214	213	216	216	215	214	213	217	214	217	215	217	213	216	215	214	215	215	215	
50	176	175	176	173	174	173	174	173	174	174	177	175	174	174	176	172	173	172	176	175	173	175	176	173	175	176	175	176	175	174	175	175	177	175	177	175	177	176	175	176
60	131	130	132	131	132	130	132	131	129	129	132	130	129	129	130	129	131	129	131	129	131	129	131	127	131	130	132	131	133	129	130	130	132	130	132	131	132	130	131	
70	83	83	84	83	84	83	84	83	84	81	84	82	81	81	82	81	83	81	83	82	80	82	83	83	85	83	85	84	85	82	84	83	84	83	84	83	82	83	83	
80	39	37	36	37	36	37	38	37	38	37	37	36	37	35	34	35	37	36	37	36	37	36	37	36	35	37	36	37	39	38	39	39	39	37	38	37	38	37	39	
90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

Luminaire Report Summary

Well-Lux 330N-CW  
 220V  
 Test Distance: 10.435m  
 Test Electrical Parameters: Voltage: 220 V AC, Current: 0.11 A, Power: 20W  
 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.