

Photometrics Pro

Luminaire Photometric Report

Filename: Well-Lux 660N-WW
Luminaire: WELL-LUX 660N-WW
Lamp Output: 1 lamp(s), rated lamp lumens: 3098.5
Max Candela: 1,069.4 at Horizontal: 0, Vertical: 0
Input Wattage: 63
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%):	98.5%	3,053.4	164.9	165.2
Beam (50%):	71.4%	2,211.9	112.8	113.1
Total:	100.5%	3,114.5		

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	825.6	26.6%	26.7%
0-40	1,352.9	43.7%	43.8%
0-60	2,398.7	77.4%	77.6%
60-90	692.4	22.3%	22.4%
0-90	3,091.0	99.8%	100%
90-180	0	0%	0%
0-180	3,091.0	99.8%	100%
Total Efficiency: 99.8%			

Lumens Per Zone

Zone	Lumens	% Total Zone	Lumens	% Total
0-10	100.6	3.3%	90-100	0 0%
10-20	288.1	9.3%	100-110	0 0%
20-30	436.8	14.1%	110-120	0 0%
30-40	527.4	17.1%	120-130	0 0%
40-50	547.9	17.7%	130-140	0 0%
50-60	497.8	16.1%	140-150	0 0%
60-70	385.7	12.5%	150-160	0 0%
70-80	231.5	7.5%	160-170	0 0%
80-90	75.1	2.4%	170-180	0 0%

Roadway Summary

Cutoff Classification: CUTOFF
Distribution: TYPE II, VERY SHORT
Max Cd, 90 Deg Vert: 3.8
Max Cd, 80 to <90 Deg: 141.2
Lumens % Lamp
 Downward Street Side: 782.7 25.3%
 Downward House Side: 776.3 25.1%
 Downward Total: 1,559.0 50.3%
 Upward Street Side: 0 0%
 Upward House Side: 0 0%
 Upward Total: 0 0%
Total Lumens: 1,559.0 50.3%

Coefficients Of Utilization - Zonal Cavity Method

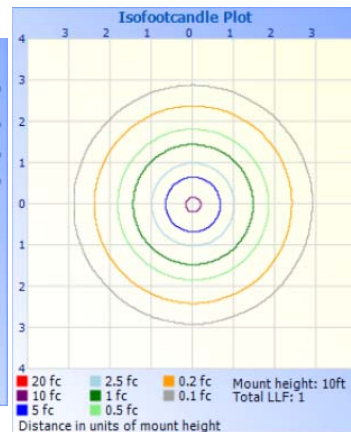
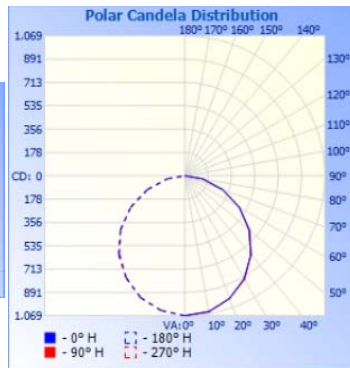
Effective Floor Cavity Reflectance: 20%

RCC %:	80		70		50		30		10		0							
RW %:	70	50	30	0	70	50	30	0	50	30	20	50	30	20	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	1.08	1.03	.99	.95	1.05	1.01	.97	.84	.97	.93	.90	.93	.90	.87	.89	.87	.85	.83
2	.98	.90	.83	.77	.95	.88	.81	.70	.84	.79	.74	.81	.76	.72	.78	.74	.71	.69
3	.89	.79	.70	.64	.87	.77	.69	.59	.74	.67	.62	.71	.66	.61	.69	.64	.60	.58
4	.82	.70	.61	.54	.79	.68	.60	.51	.66	.58	.53	.63	.57	.52	.61	.56	.51	.49
5	.75	.62	.53	.46	.73	.61	.52	.44	.59	.51	.45	.57	.50	.45	.55	.49	.44	.42
6	.69	.56	.47	.40	.67	.55	.46	.39	.53	.45	.40	.51	.45	.39	.50	.44	.39	.37
7	.64	.51	.42	.36	.62	.50	.41	.34	.48	.41	.35	.47	.40	.35	.45	.39	.35	.33
8	.60	.46	.38	.32	.58	.45	.37	.31	.44	.37	.31	.43	.36	.31	.42	.36	.31	.29
9	.56	.42	.34	.28	.54	.42	.34	.28	.41	.33	.28	.39	.33	.28	.38	.32	.28	.26
10	.52	.39	.31	.26	.51	.39	.31	.25	.38	.30	.26	.37	.30	.25	.36	.30	.25	.24

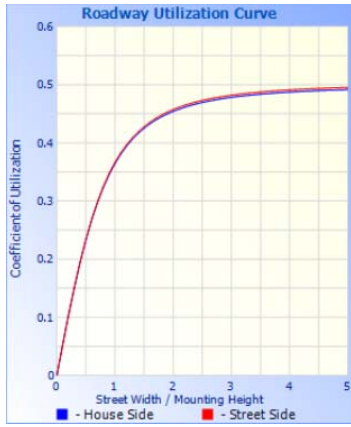
Illuminance at a Distance

Center Beam FC	Beam Width
8.3ft	15.40 fc 25.2ft 25.1ft
16.7ft	3.85 fc 50.5ft 50.2ft
25.0ft	1.71 fc 75.7ft 75.2ft
33.3ft	0.96 fc 101.0ft 100.3ft
41.7ft	0.62 fc 126.2ft 125.4ft
50.0ft	0.43 fc 151.5ft 150.5ft

■ Vert. Spread: 113.1° ■ Horiz. Spread: 112.8°



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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	1069	1069	1069	1069	1069	1069	1069	1069	1069	1069	1069	1069	1069	1069	1069	1069	1069	1069	1069	1069	1069	1069	1069	1069	1069	1069	1069	1069	1069	1069	1069	1069	1069	1069	1069
10	1053	1054	1056	1056	1056	1056	1058	1056	1058	1056	1056	1053	1053	1050	1051	1048	1049	1046	1046	1043	1043	1042	1042	1041	1042	1041	1043	1043	1046	1046	1046	1046	1046	1048	1048
20	997	997	999	998	1000	999	1001	999	1001	998	1000	996	997	997	995	990	993	989	989	986	987	985	986	984	986	988	988	990	990	988	990	988	990	988	992
30	906	911	909	913	910	914	911	914	911	913	909	904	906	902	904	899	901	899	899	896	897	900	896	893	896	899	898	896	900	898	900	903	901		
40	786	792	788	793	788	786	790	786	790	786	788	783	785	780	784	785	781	777	786	783	777	774	783	773	784	780	778	775	780	777	788	783	789		
50	645	638	651	638	651	638	643	638	644	638	642	636	639	633	638	640	635	631	642	629	641	628	639	627	631	636	634	638	636	631	643	638	636		
60	480	481	485	482	486	482	488	482	488	482	486	479	483	477	482	473	479	466	478	473	477	464	476	473	477	472	470	474	471	475	470	473	471		
70	310	306	299	306	311	306	302	307	302	306	310	304	308	302	307	298	304	300	303	299	303	300	303	300	304	299	307	301	308	302	306	298	306		
80	140	137	140	137	140	137	133	137	141	137	130	134	138	133	138	131	137	133	136	133	136	133	127	134	137	133	140	134	140	135	138	132	138		
90	3	3	3	3	3	3	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	4		

Luminaire Report Summary

Well-Lux 660N-WW
 220V
 Test Distance: 10.435m
 Test Electrical Parameters: Voltage: 220 V AC, Current: 0.29 A, Power: 62W
 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.