

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

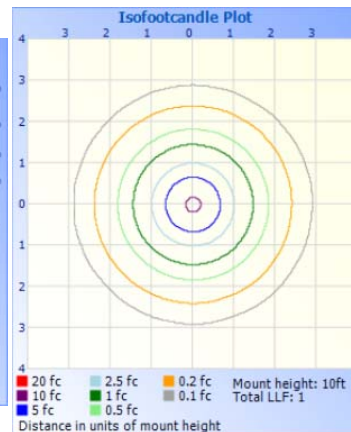
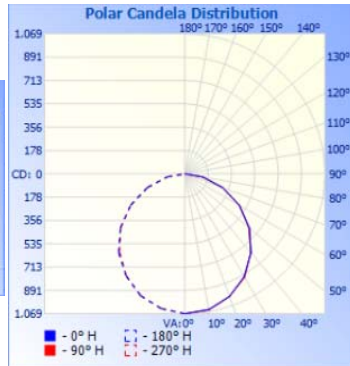
Effective Floor Cavity Reflectance: 20%

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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