Photometrics Pro

Luminaire Photometric Report

Filename: **Well-Lux 1245N-CW**
Luminaire: WELL-LUX 1245N CW
Lamp Output: 1 lamp(s), rated lamp lumens: 3433.9
Max Candela: 1,158.3 at Horizontal: 100, Vertical: 10
Input Wattage: 62
Luminous Opening: Point
Photometry : Type C
CIE Class: Direct
Cutoff Class: Cutoff
Nema Type: 7 X 7

Flood Summary

	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	98.4%	3,379.1	165.5	165.5
Beam (50%):	71.8%	2,466.9	114.2	112.8
Total:	100.1%	3,438.6		

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	900.2	26.2%	26.4%
0-40	1,480.1	43.1%	43.4%
0-60	2,637.8	76.8%	77.3%
60-90	774.5	22.6%	22.7%
0-90	3,412.3	99.4%	100%
90-180	0	0%	0%
0-180	3,412.3	99.4%	100%

Total Efficiency: 99.4%

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	108.8	3.2%	90-100	0	0%
10-20	313.4	9.2%	100-110	0	0%
20-30	478.0	14.0%	110-120	0	0%
30-40	579.9	17.0%	120-130	0	0%
40-50	605.9	17.8%	130-140	0	0%
50-60	551.9	16.2%	140-150	0	0%
60-70	428.3	12.6%	150-160	0	0%
70-80	260.3	7.6%	160-170	0	0%
80-90	85.9	2.5%	170-180	0	0%

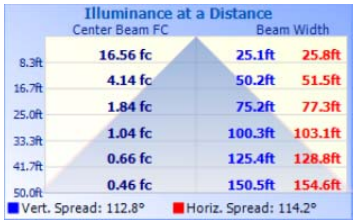
Roadway Summary

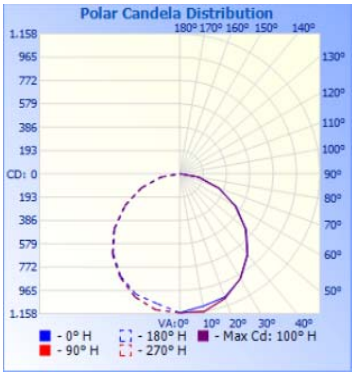
Cutoff Classification:		CUTOFF
Distribution:		TYPE II, VERY SHORT
Max Cd, 90 Deg Vert:		5.8
Max Cd, 80 to <90 Deg:		161.8
Lum	ens % Lamp	
Downward Street Side:	863.9	25.2%
Downward House Side:	853.8	24.9%
Downward Total:	1,717.7	50%
Upward Street Side:	0	0%
Upward House Side:	0	0%
Upward Total:	0	0%
Total Lumens:	1,717.7	50%

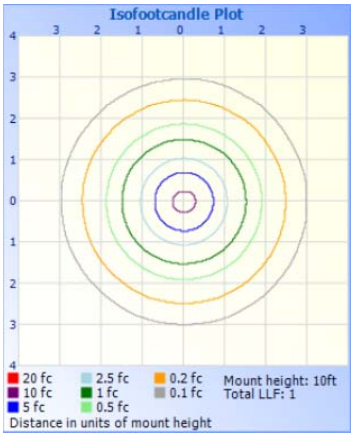
Coefficients Of Utilization - Zonal Cavity Method

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	1.18	1.18	1.18	1.18	1.16	1.16	1.16	.99	1.10	1.10	1.10	1.06	1.06	1.06	1.01	1.01	1.01	.99
1	1.08	1.03	.98	.94	1.05	1.00	.96	.83	.96	.93	.90	.92	.90	.87	.89	.86	.84	.82
2	.98	.89	.82	.76	.95	.87	.81	.69	.84	.78	.74	.80	.76	.72	.77	.74	.70	.68
3	.89	.78	.70	.63	.86	.76	.69	.59	.74	.67	.61	.71	.65	.60	.68	.63	.59	.57
4	.81	.69	.60	.53	.79	.68	.59	.50	.65	.58	.52	.63	.57	.51	.61	.55	.51	.49
5	.75	.62	.52	.46	.72	.60	.52	.44	.58	.51	.45	.56	.50	.44	.54	.49	.44	.42
6	.69	.55	.46	.40	.67	.54	.46	.38	.53	.45	.39	.51	.44	.39	.49	.43	.39	.37
7	.64	.50	.41	.35	.62	.49	.41	.34	.48	.40	.35	.46	.40	.34	.45	.39	.34	.32
8	.59	.46	.37	.31	.58	.45	.37	.30	.44	.36	.31	.42	.36	.31	.41	.35	.31	.29
9	.55	.42	.34	.28	.54	.41	.33	.27	.40	.33	.28	.39	.32	.28	.38	.32	.28	.26
10	.52	.39	.31	.25	.51	.38	.31	.25	.37	.30	.25	.36	.30	.25	.35	.29	.25	.23







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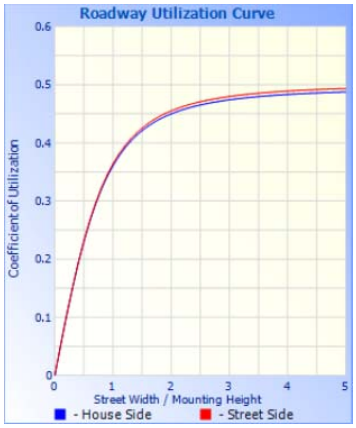

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Candela Table - Type C

	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	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150
10	1112	1123	1135	1145	1154	1156	1157	1156	1157	1156	**1158**	1157	1155	1148	1141	1124	1113	1095	1090	1097	1109	1119	1128	1131	1133	1137	1137	1142	1144	1147	1150	1152	1148	1139	1128	1116	1112
20	1085	1085	1090	1092	1097	1094	1097	1099	1096	1094	1098	1093	1094	1084	1086	1077	1069	1064	1061	1060	1065	1072	1072	1071	1074	1075	1078	1083	1085	1086	1090	1090	1093	1088	1086	1083	1085
30	1003	1004	1000	1003	1000	1003	999	996	998	1001	1000	994	996	986	989	986	982	980	978	982	977	974	977	974	978	978	982	982	989	989	995	999	997	1001	999	996	1003
40	874	875	877	873	877	864	867	864	876	870	869	862	873	864	859	856	853	851	858	846	850	846	849	853	858	849	854	860	869	866	866	870	875	872	877	865	874
50	716	707	720	714	719	714	708	703	717	711	709	713	715	706	711	699	705	695	704	690	703	690	693	697	704	702	707	704	713	709	708	712	718	713	720	715	716
60	535	526	540	533	538	534	527	533	526	530	527	531	523	526	532	519	517	517	517	522	527	512	527	520	528	525	520	526	524	529	539	532	538	533	539	534	535
70	342	343	347	340	346	341	346	340	345	337	346	338	329	334	340	328	337	338	338	333	338	334	339	333	341	337	342	337	334	339	337	340	334	340	347	341	342
80	160	157	159	154	148	155	159	154	158	151	159	152	155	149	155	155	153	155	155	152	146	152	157	161	159	156	160	155	162	155	162	155	159	154	149	154	160
90	3	3	2	1	1	2	2	2	2	3	3	3	3	3	3	2	2	2	2	2	2	2	2	2	3	3	4	5	5	6	6	6	5	4	3	3	3

Luminaire Report Summary

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Well-Lux 1245N CW
220V
Test Distance: 10.435m
Test Electrical Parameters: Voltage: 220 V AC, Current: 0.29 A, Power: 62
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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