

Photometrics Pro

Luminaire Photometric Report

Filename: Well-Lux 1245N-WW
Luminaire: WELL-LUX 1245N WW
Lamp Output: 1 lamp(s), rated lamp lumens: 3445.1
Max Candela: 1,164.6 at Horizontal: 60, 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%):	98.5%	3,393.8	165.8	165.2
Beam (50%):	71.9%	2,475.7	114.1	112.9
Total:	100.2%	3,453.5		

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	903.2	26.2%	26.4%
0-40	1,485.3	43.1%	43.3%
0-60	2,647.7	76.9%	77.3%
60-90	779.6	22.6%	22.7%
0-90	3,427.2	99.5%	100%
90-180	0	0%	0%
0-180	3,427.2	99.5%	100%
Total Efficiency: 99.5%			

Lumens Per Zone

Zone	Lumens	% Total Zone	Lumens	% Total
0-10	109.1	3.2%	90-100	0 0%
10-20	314.3	9.2%	100-110	0 0%
20-30	479.8	14.0%	110-120	0 0%
30-40	582.2	17.0%	120-130	0 0%
40-50	607.7	17.7%	130-140	0 0%
50-60	554.6	16.2%	140-150	0 0%
60-70	431.5	12.6%	150-160	0 0%
70-80	261.7	7.6%	160-170	0 0%
80-90	86.3	2.5%	170-180	0 0%

Roadway Summary

Cutoff Classification: CUTOFF
Distribution: TYPE II, VERY SHORT
Max Cd, 90 Deg Vert: 7.2
Max Cd, 80 to <90 Deg: 165.7
Lumens % Lamp
 Downward Street Side: 869.9 25.3%
 Downward House Side: 850.1 24.7%
 Downward Total: 1,720.0 49.9%
 Upward Street Side: 0 0%
 Upward House Side: 0 0%
 Upward Total: 0 0%
Total Lumens: 1,720.0 49.9%

Coefficients Of Utilization - Zonal Cavity Method

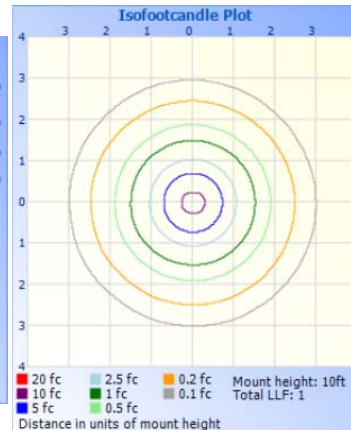
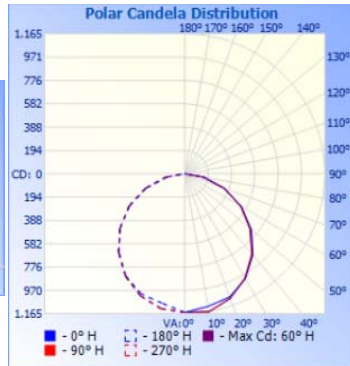
Effective Floor Cavity Reflectance: 20%

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
RCC: 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	1.02	1.02	1.02	99
1	1.08	1.03	.98	.94	1.05	1.00	.96	.83	.96	.93	.90	.92	.90	.87	.89	.87	.84	.82
2	.98	.89	.82	.76	.95	.87	.81	.70	.84	.78	.74	.80	.76	.72	.77	.74	.70	.68
3	.89	.78	.70	.63	.86	.77	.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	.53	.46	.73	.61	.52	.44	.58	.51	.45	.56	.50	.45	.55	.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	.56	.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

Illuminance at a Distance

Center Beam FC	Beam Width
8.3ft	16.61 fc 25.2ft 25.7ft
16.7ft	4.15 fc 50.3ft 51.4ft
25.0ft	1.85 fc 75.5ft 77.2ft
33.3ft	1.04 fc 100.6ft 102.9ft
41.7ft	0.66 fc 125.8ft 128.6ft
50.0ft	0.46 fc 150.9ft 154.3ft

■ Vert. Spread: 112.9° ■ Horiz. Spread: 114.1°



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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	1153	1153	1153	1153	1153	1153	1153	1153	1153	1153	1153	1153	1153	1153	1153	1153	1153	1153	1153	1153	1153	1153	1153	1153	1153	1153	1153	1153	1153	1153	1153	1153	1153	1153	1153	1153	1153
10	1120	1130	1142	1152	1162	1164	1165	1164	1164	1164	1162	1155	1153	1146	1141	1124	1113	1098	1092	1098	1112	1121	1130	1135	1137	1135	1135	1141	1141	1151	1155	1155	1153	1143	1134	1122	1120
20	1090	1093	1098	1099	1105	1102	1104	1106	1103	1100	1100	1090	1091	1083	1083	1074	1071	1064	1063	1064	1068	1072	1076	1079	1079	1081	1079	1080	1084	1092	1096	1094	1098	1093	1090	1088	1090
30	1007	1005	1008	1010	1006	1010	1005	1003	1004	1000	1000	991	993	985	985	986	983	984	982	986	982	980	986	986	985	982	985	986	990	996	1000	1003	1001	1004	1003	1008	1007
40	881	882	885	879	883	871	873	870	872	868	869	867	861	862	854	858	854	856	852	850	862	851	859	859	858	854	867	857	872	866	872	874	871	875	881	878	881
50	722	713	727	720	725	710	713	719	711	706	717	709	711	694	704	690	696	690	705	693	707	695	705	704	703	699	704	701	718	708	724	717	722	716	723	720	722
60	541	541	545	538	543	538	542	536	528	534	524	527	531	523	524	520	517	521	528	525	530	517	528	528	537	531	526	534	541	538	545	537	542	535	542	528	541
70	347	347	351	344	349	344	348	342	346	340	342	334	326	332	322	330	326	330	338	336	341	339	339	339	349	343	350	345	340	347	353	345	337	342	349	345	347
80	163	159	162	155	151	156	149	155	158	153	155	149	152	148	149	147	154	147	144	152	147	155	156	156	164	161	165	162	166	162	166	159	162	155	160	157	163
90	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	4	5	6	7	7	7	7	6	5	4	3	3	

Luminaire Report Summary

Well-Lux 1245N WW
 220V
 Test Distance: 10.435m
 Test Electrical Parameters: Voltage: 220 V AC, Current: 0.30 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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 Reported data calculated from manufacturer's data file, based on IES recommended methods.