

Photometrics Pro

Luminaire Photometric Report

Filename: Well-Lux 1230N-CW
Luminaire: WELL-LUX 1230N-CW
Lamp Output: 1 lamp(s), rated lamp lumens: 3798.6
Max Candela: 1,308.8 at Horizontal: 0, Vertical: 0
Input Wattage: 74
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%):	98.2%	3,729.8	164.8	165
Beam (50%):	71.3%	2,709.0	112.6	113.1
Total:	100.2%	3,806.7		

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	1,009.8	26.6%	26.7%
0-40	1,654.2	43.5%	43.8%
0-60	2,932.1	77.2%	77.6%
60-90	845.4	22.3%	22.4%
0-90	3,777.5	99.4%	100%
90-180	0	0%	0%
0-180	3,777.5	99.4%	100%
Total Efficiency: 99.4%			

Lumens Per Zone

Zone	Lumens	% Total Zone	Zone	Lumens	% Total
0-10	123.2	3.3%	90-100	0	0%
10-20	352.5	9.3%	100-110	0	0%
20-30	534.0	14.1%	110-120	0	0%
30-40	644.5	17.1%	120-130	0	0%
40-50	670.0	17.7%	130-140	0	0%
50-60	607.8	16.1%	140-150	0	0%
60-70	470.1	12.4%	150-160	0	0%
70-80	283.3	7.5%	160-170	0	0%
80-90	91.9	2.4%	170-180	0	0%

Roadway Summary

Cutoff Classification: CUTOFF
Distribution: TYPE II, VERY SHORT
Max Cd, 90 Deg Vert: 3.6
Max Cd, 80 to <90 Deg: 176.0
Lumens % Lamp
 Downward Street Side: 941.4 24.8%
 Downward House Side: 946.0 24.9%
 Downward Total: 1,887.5 49.7%
 Upward Street Side: 0 0%
 Upward House Side: 0 0%
 Upward Total: 0 0%
Total Lumens: 1,887.5 49.7%

Coefficients Of Utilization - Zonal Cavity Method

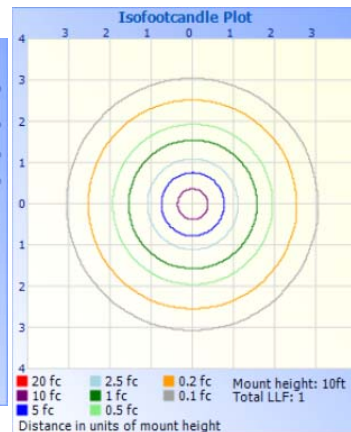
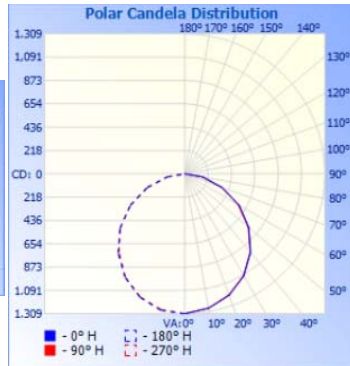
Effective Floor Cavity Reflectance: 20%

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	1.10	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	1.01	.97	.83	.96	.93	.90	.92	.90	.87	.89	.87	.85	.83
2	.98	.89	.82	.77	.95	.87	.81	.70	.84	.79	.74	.81	.76	.72	.78	.74	.71	.68
3	.89	.78	.70	.63	.87	.77	.69	.59	.74	.67	.62	.71	.65	.61	.68	.64	.60	.57
4	.81	.69	.60	.54	.79	.68	.60	.51	.65	.58	.52	.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	.44	.39	.50	.44	.39	.37
7	.64	.50	.42	.35	.62	.50	.41	.34	.48	.41	.35	.47	.40	.35	.45	.39	.34	.32
8	.60	.46	.37	.32	.58	.45	.37	.31	.44	.37	.31	.43	.36	.31	.42	.35	.31	.29
9	.56	.42	.34	.28	.54	.42	.34	.28	.40	.33	.28	.39	.33	.28	.38	.32	.28	.26
10	.52	.39	.31	.26	.51	.38	.31	.25	.37	.30	.26	.36	.30	.25	.36	.30	.25	.24

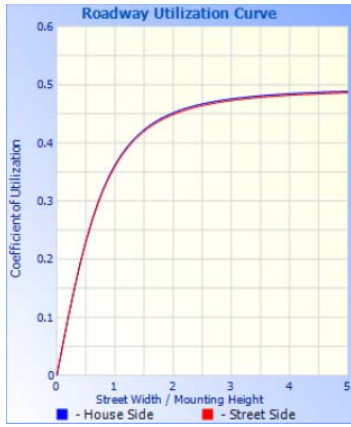
Illuminance at a Distance

Center Beam FC	Beam Width
8.3ft	18.85 fc 25.2ft 25.0ft
16.7ft	4.71 fc 50.4ft 49.9ft
25.0ft	2.09 fc 75.6ft 74.9ft
33.3ft	1.18 fc 100.8ft 99.9ft
41.7ft	0.75 fc 126.1ft 124.9ft
50.0ft	0.52 fc 151.3ft 149.8ft

■ Vert. Spread: 113.1° ■ Horiz. Spread: 112.6°



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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	1309	1309	1309	1309	1309	1309	1309	1309	1309	1309	1309	1309	1309	1309	1309	1309	1309	1309	1309	1309	1309	1309	1309	1309	1309	1309	1309	1309	1309	1309	1309	1309	1309	1309	1309
10	1275	1273	1274	1275	1274	1272	1274	1275	1276	1277	1278	1279	1281	1284	1286	1290	1293	1294	1295	1296	1299	1296	1298	1295	1296	1295	1293	1288	1288	1284	1285	1280	1281		
20	1210	1203	1206	1203	1204	1206	1203	1205	1206	1204	1206	1210	1211	1215	1217	1222	1222	1228	1230	1229	1225	1227	1224	1226	1222	1223	1224	1219	1219	1217	1216	1213			
30	1102	1093	1095	1092	1094	1094	1093	1094	1094	1098	1094	1100	1098	1098	1103	1102	1110	1115	1116	1111	1116	1111	1114	1111	1114	1109	1112	1113	1109	1102	1106	1101	1102		
40	957	946	950	945	957	948	945	946	946	952	947	952	959	948	963	962	961	967	969	961	968	961	974	961	966	960	973	956	971	954	959	953	956		
50	780	780	784	779	770	772	779	768	780	775	780	775	782	768	786	783	782	788	789	781	789	781	784	780	786	780	795	788	781	786	781	774	779		
60	587	581	574	580	571	573	569	569	580	575	580	574	582	578	585	581	592	586	588	577	586	590	582	589	583	577	581	586	579	584	580	585	578		
70	369	369	375	369	373	362	371	358	371	364	357	362	370	365	359	367	365	371	373	375	372	375	380	375	382	375	380	373	378	371	379	371	377		
80	170	166	170	166	169	159	167	167	167	162	166	159	154	161	166	162	159	165	166	168	176	169	173	169	175	170	174	167	173	166	173	167	172		
90	1	2	2	1	2	2	2	2	2	2	2	3	3	3	3	2	2	2	2	2	2	1	1	1	1	2	2	2	3	3	4	4	3		

Luminaire Report Summary

Well-Lux 1230N-CW
 Test Distance: 10.435m
 Test Electrical Parameters: Voltage: 220 V AC, Current: 0.35 A, Power: 73W
 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.