

# Photometrics Pro

## Luminaire Photometric Report

**Filename:** D100935-50-9W-D100-W

**Manufacturer:** Intense

**Luminaire Cat:** D100935-50-9W-D100-W

**Lamp Cat:** 3500k 90CRI

**Ballast Cat:** Power Supply

**Lamp Output:** 1 lamp, rated Lumens/lamp: 1

**Max Candela:** 1,119.0 at Horizontal: 90°, Vertical: 1°

**Input Wattage:** 10.45

**Luminous Opening:** Circular (Dia: 4")

**Test:** 20220922-1.002

**Test Date:** 2022/09/22

**Test Lab:** Intense Lighting Lab

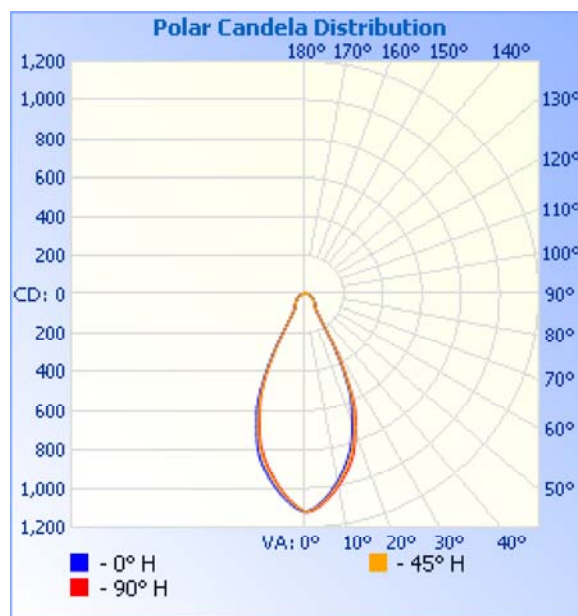
**Photometry :** Type C

**Cutoff Class:** n/a

**Nema Type:** 4 X 4

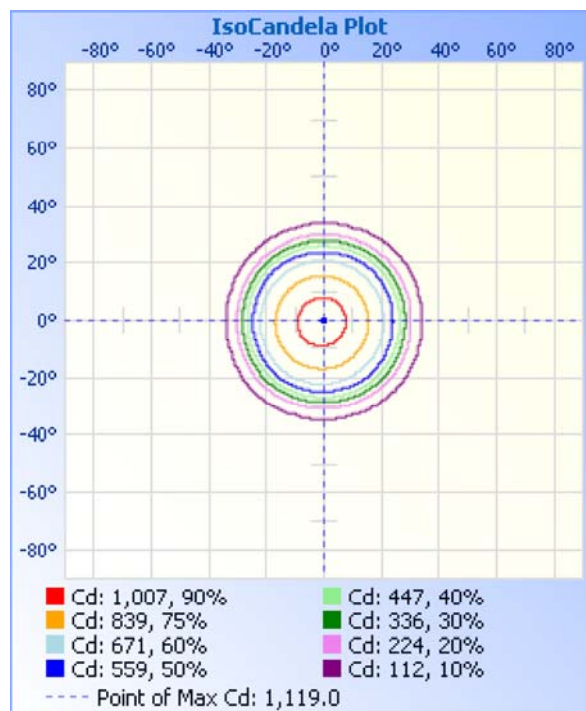
### Flood Summary

	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	60540.4%	605.4	68.3	68.3
Beam (50%):	45274%	452.7	48.8	48.8
Total:	81131.4%	811.3		



### Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	568.1	56805%	70%
0-40	639.8	63983.3%	78.8%
0-60	739.2	73921.1%	91.1%
60-90	60.9	6093.2%	7.5%
70-100	25.9	2587.9%	3.2%
90-120	2.3	229.9%	0.3%
0-90	800.1	80014.3%	98.6%
90-180	11.4	1137.3%	1.4%
0-180	811.5	81151.6%	100%



**Illuminance at a Distance**

	Center Beam fc	Beam Width	
8.3ft	16.2 fc	7.5 ft	7.5 ft
16.7ft	4.01 fc	15.1 ft	15.1 ft
25.0ft	1.79 fc	22.7 ft	22.7 ft
33.3ft	1.01 fc	30.2 ft	30.2 ft
41.7ft	0.64 fc	37.8 ft	37.8 ft
50.0ft	0.45 fc	45.3 ft	45.3 ft

■ Vert. Spread: 48.8°  
■ Horiz. Spread: 48.8°

**Candela Table - Type C**

	0	45	90	135	180	225	270	315	360
0	1119	1119	1119	1119	1119	1119	1119	1119	1119
1	1114	1117	1119	1117	1113	1108	1107	1109	1113
2	1106	1110	1114	1112	1106	1098	1096	1100	1105
3	1095	1101	1105	1103	1096	1086	1082	1087	1095
4	1081	1089	1094	1093	1083	1071	1067	1073	1082
5	1066	1075	1082	1081	1069	1056	1050	1056	1067
6	1049	1059	1067	1066	1053	1038	1031	1038	1050
7	1031	1042	1052	1052	1037	1020	1012	1019	1032
8	1012	1024	1036	1036	1019	1001	992	999	1013
9	992	1006	1019	1019	1002	982	971	979	993
10	972	987	1001	1002	983	962	951	958	972
11	951	966	982	984	965	941	929	936	952
12	929	946	963	964	944	921	908	914	929
13	906	924	942	946	924	899	885	892	906
14	883	902	922	924	903	877	864	869	883
15	859	879	900	904	882	855	841	846	860
16	834	855	877	881	858	830	816	820	835
17	808	830	852	855	832	803	787	793	809
18	777	800	820	823	799	770	756	762	778
19	743	766	787	789	763	734	721	727	745
20	706	731	752	754	728	697	683	691	708
21	671	696	718	721	693	662	647	654	673
22	639	665	688	691	663	631	616	623	641
23	609	635	657	659	632	600	587	593	611
24	573	598	619	620	592	561	549	558	576
25	528	552	571	571	543	514	502	512	531
26	474	497	515	513	485	456	447	458	478
27	413	433	450	448	420	393	386	398	417
28	349	366	383	380	354	328	322	336	353
29	286	300	315	314	290	266	262	276	290
30	230	241	253	253	232	213	210	222	234
32	147	154	160	160	148	138	137	144	149
34	107	110	111	111	107	104	104	107	108
36	91	92	92	91	90	90	91	92	92
38	83	83	83	82	82	82	84	84	83
40	78	78	77	77	77	78	79	79	79
42	75	74	74	73	73	74	75	75	75
44	71	70	70	70	70	70	71	72	71
46	68	67	66	66	66	67	68	68	68
48	64	63	63	63	63	63	64	65	64
50	61	60	60	59	59	60	61	61	61
52	57	57	56	56	56	56	58	58	57
56	51	50	49	49	49	50	51	51	51
60	45	44	44	43	43	44	45	45	45
64	38	38	37	37	37	37	38	39	38
68	31	31	30	30	30	30	31	31	31
72	24	24	23	23	23	23	24	24	24

76	18	17	17	17	17	17	17	18	18
80	12	11	11	11	11	11	11	12	12
84	6	6	6	6	6	6	6	6	6
88	2	2	1	1	1	1	1	1	2
92	1	1	1	1	1	1	1	1	1
96	1	1	1	1	1	1	1	1	1
100	1	1	1	1	1	1	1	1	1
104	1	1	1	1	1	1	1	1	1
108	1	1	1	1	1	1	1	1	1
112	1	1	1	1	1	1	1	1	1
116	1	1	1	1	1	1	1	1	1
120	1	1	1	1	1	1	1	1	1
124	1	1	1	1	1	2	2	2	1
128	2	2	2	2	2	2	2	2	2
132	2	2	2	2	2	2	2	2	2
136	3	3	3	3	3	3	3	3	3
140	3	3	3	3	3	3	3	3	3
144	4	4	4	4	4	4	4	4	4
148	4	4	4	4	4	4	4	4	4
152	5	5	5	5	5	5	5	5	5
156	5	5	5	5	5	5	5	5	5
160	5	5	5	5	5	5	5	5	5
170	0	0	0	0	0	0	0	0	0
180	0	0	0	0	0	0	0	0	0

**Luminaire Report Summary**

IESNA:LM-63-2002  
[TEST]20220922-1.002  
[TESTLAB]Intense Lighting Lab  
[TESTDATE]2022/09/22  
[ISSUEDATE] 2023/03/02  
[MANUFAC]Intense  
[LUMCAT]D100935-50-9W-D100-W  
[LUMINAIRE]  
[LAMPCAT]3500k 90CRI  
[LAMP]  
[BALLASTCAT]Power Supply  
[OTHER]  
[\_OPTICS]50 Deg  
[\_TRIM]D-100-W  
[\_WATTAGE] 10.45  
[\_VOLTAGE]37.8  
[\_CURRENT]350mA  
[\_WIDTH]-3  
[\_LENGTH]-3  
[\_HEIGHT]0  
FILE: CANDELA MULTIPLIER: 0.7566  
FILE: VERTICAL ANGLES: 71, HORIZONTAL ANGLES: 9  
FILE: COORDINATE SYSTEM: TYPE C  
FILE: UNIT OF MEASURE: STANDARD  
FILE: BALLAST FACTOR: 1

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Reported data calculated from manufacturer's data file, based on IES recommended methods.