

Photometrics Pro

Luminaire Photometric Report

Filename: D100935-50-13W-D100-W

Manufacturer: Intense

Luminaire Cat: D100935-50-13W-D100-W

Lamp Cat: 3500k 90CRI

Ballast Cat: Power Supply

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

Max Candela: 1,479.0 at Horizontal: 90°, Vertical: 1°

Input Wattage: 15.98

Luminous Opening: Circular (Dia: 4")

Test: 20220922-1.001

Test Date: 2022/09/22

Test Lab: Intense Lighting Lab

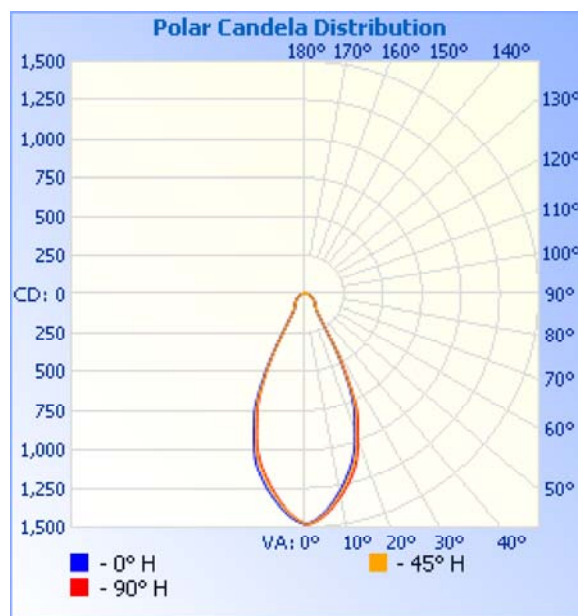
Photometry : Type C

Cutoff Class: n/a

Nema Type: 4 X 4

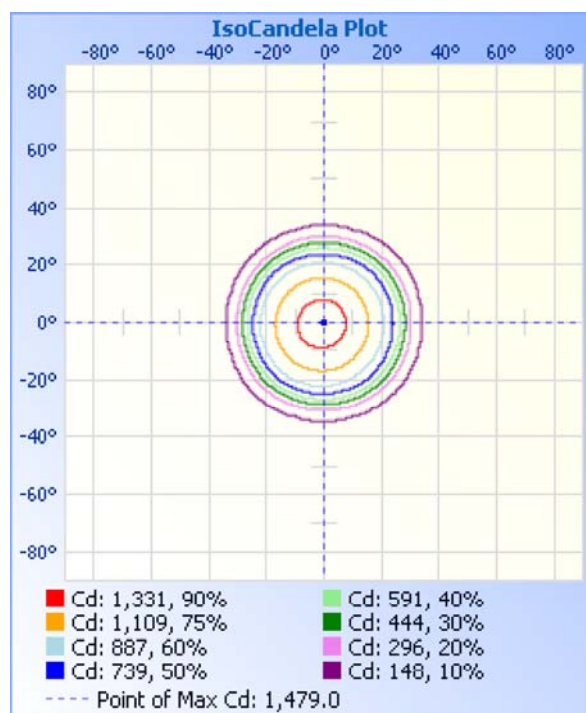
Flood Summary

	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	80016.4%	800.2	68.3	68.3
Beam (50%):	59838.7%	598.4	48.8	48.8
Total:	107230.9%	1,072.3		



Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	750.8	75079.3%	70%
0-40	845.7	84566.9%	78.8%
0-60	977.0	97701.7%	91.1%
60-90	80.5	8053.4%	7.5%
70-100	34.2	3420.4%	3.2%
90-120	3.0	303.9%	0.3%
0-90	1,057.6	105755.1%	98.6%
90-180	15.0	1503.2%	1.4%
0-180	1,072.6	107258.3%	100%



	Center Beam fc	Beam Width	
8.3ft	21.5 fc	7.5 ft	7.5 ft
16.7ft	5.30 fc	15.1 ft	15.1 ft
25.0ft	2.37 fc	22.7 ft	22.7 ft
33.3ft	1.33 fc	30.2 ft	30.2 ft
41.7ft	0.85 fc	37.8 ft	37.8 ft
50.0ft	0.59 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	1479	1479	1479	1479	1479	1479	1479	1479	1479
1	1472	1477	1479	1477	1471	1465	1463	1465	1471
2	1462	1468	1473	1470	1461	1452	1448	1453	1461
3	1447	1455	1460	1458	1448	1436	1430	1437	1447
4	1429	1439	1446	1445	1431	1416	1410	1418	1429
5	1409	1421	1430	1428	1413	1395	1387	1396	1410
6	1387	1400	1411	1409	1392	1372	1363	1372	1387
7	1363	1378	1390	1390	1371	1348	1338	1347	1364
8	1338	1354	1369	1369	1347	1323	1311	1321	1338
9	1312	1329	1346	1347	1324	1298	1284	1294	1312
10	1285	1304	1323	1324	1300	1272	1257	1266	1285
11	1257	1277	1298	1301	1276	1244	1228	1238	1258
12	1227	1250	1273	1274	1247	1217	1200	1208	1228
13	1197	1221	1245	1250	1221	1189	1170	1178	1198
14	1166	1192	1218	1222	1194	1160	1143	1148	1167
15	1136	1162	1190	1195	1166	1130	1111	1118	1137
16	1103	1131	1159	1165	1134	1097	1078	1084	1104
17	1068	1097	1126	1130	1099	1061	1041	1048	1070
18	1027	1057	1084	1088	1055	1018	999	1007	1029
19	982	1013	1040	1043	1009	970	952	961	984
20	934	966	993	997	962	922	903	913	936
21	887	920	949	953	916	875	856	865	889
22	845	878	909	913	876	833	814	823	847
23	805	839	868	871	835	793	775	784	808
24	758	790	818	819	782	742	726	737	761
25	698	730	755	755	717	679	664	677	702
26	626	656	681	678	641	603	591	606	631
27	545	572	595	592	555	519	510	526	551
28	461	484	506	503	468	433	426	444	467
29	378	397	417	415	383	351	346	365	384
30	304	319	335	335	307	281	278	294	309
32	194	203	211	212	195	183	181	190	197
34	142	145	147	147	141	137	138	141	143
36	121	121	122	121	119	119	120	121	121
38	110	109	109	108	108	109	110	111	110
40	104	103	102	102	102	102	104	104	104
42	99	98	97	97	97	98	99	99	99
44	94	93	92	92	92	93	94	95	94
46	89	88	88	87	87	88	90	90	89
48	85	84	83	83	83	84	85	86	85
50	80	79	79	78	78	79	81	81	80
52	76	75	74	74	74	75	76	77	76
56	67	66	65	64	65	66	67	68	67
60	59	58	58	57	57	58	59	60	59
64	50	50	49	49	48	49	50	51	51
68	41	40	40	40	39	40	41	42	41
72	32	31	31	31	30	31	32	32	32

76	23	23	23	22	22	22	23	23	23
80	15	15	15	15	14	14	15	15	15
84	8	8	8	8	8	8	8	8	8
88	2	2	2	2	1	1	2	2	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	2	2	2	2	2	2	2	2	2
124	2	2	2	2	2	2	2	2	2
128	2	2	2	2	2	2	2	2	2
132	3	3	3	3	3	3	3	3	3
136	4	4	4	4	4	4	4	4	4
140	4	4	4	4	4	4	4	4	4
144	5	5	5	5	5	5	5	5	5
148	6	6	6	6	6	6	6	6	6
152	6	6	6	6	6	6	6	6	6
156	7	7	7	7	7	7	7	7	7
160	7	7	7	7	7	7	7	7	7
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]20220922-1.001
[TESTLAB]Intense Lighting Lab
[TESTDATE]2022/09/22
[ISSUEDATE] 2023/03/02
[MANUFAC]Intense
[LUMCAT]D100935-50-13W-D100-W
[LUMINAIRE]
[LAMPCAT]3500k 90CRI
[LAMP]
[BALLASTCAT]Power Supply
[OTHER]
[_OPTICS]50 Deg
[_TRIM]D-100-W
[_WATTAGE]15.98
[_VOLTAGE]37.8
[_CURRENT]350mA
[_WIDTH]-3
[_LENGTH]-3
[_HEIGHT]0
FILE: CANDELA MULTIPLIER: 1
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.